

**SOURCE AND ACCURACY STATEMENT**  
**FOR THE SURVEY OF INCOME AND PROGRAM PARTICIPATION (SIPP) 2004,**  
**WAVE 1 - WAVE 12 PUBLIC USE (CORE) FILES<sup>1</sup>**

## **SOURCE OF DATA**

The data were collected in the 2004 Panel of the Survey of Income and Program Participation (SIPP). The population represented in the 2004 SIPP (the population universe) is the civilian noninstitutionalized population living in the United States. The institutionalized population, which is excluded from the population universe, is composed primarily of the population in correctional institutions and nursing homes (91 percent of the 4.1 million institutionalized people in Census 2000).

The 2004 Panel of the SIPP sample is located in 351 Primary Sampling Units (PSUs), each consisting of a county or a group of contiguous counties. Of these 351 PSUs, 123 are self-representing (SR) and 228 are non-self-representing (NSR). SR PSUs have a probability of selection of one. NSR PSUs have a probability of selection of less than one. Within PSUs, housing units (HUs) were systematically selected from the master address file (MAF) used for the 2000 decennial census. To account for HUs built within each of the sample areas after the 2000 census, a sample containing clusters of four HUs was drawn from permits issued for construction of residential HUs up until shortly before the beginning of the panel. In jurisdictions that don't issue building permits or have incomplete addresses, we systematically sampled expected clusters of four HUs which were then listed by field personnel.

Sample households within a given panel are divided into four random subsamples of nearly equal size. These subsamples are called rotation groups and one rotation group is interviewed each month. Each household in the sample was scheduled to be interviewed at four-month intervals over a period of roughly four years beginning in February 2004. The reference period for the questions is the four-month period preceding the interview month. The most recent month is designated reference month 4, the earliest month is reference month 1. In general, one cycle of four interview months covering the entire sample, using the same questionnaire, is called a wave. For example, Wave 1 rotation group 1 of the 2004 Panel was interviewed in February 2004 and data for the reference months October 2003 through January 2004 were collected.

In Wave 1, the 2004 SIPP began with a sample of about 62,700 HUs. About 11,300 of these HUs were found to be vacant, demolished, converted to nonresidential use, or otherwise ineligible for the survey. Field Representatives (FRs) were able to obtain interviews for about 43,700 of the eligible HUs. FRs were unable to interview approximately 7,700 eligible HUs in the panel because the occupants: (1) refused to be interviewed; (2) could not be found at home; (3) were temporarily absent; or (4) were otherwise unavailable. Thus, occupants of about 85 percent of all eligible HUs participated in the first interview of the panel.

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For subsequent interviews, only original sample people (those in Wave 1 sample households and interviewed in Wave 1) and people living with them are eligible to be interviewed. The SIPP sample includes original sample people if they move to a new address, unless the new address was more than 100 miles from a SIPP sample area. In this case, FRs attempt telephone interviews. Based on these follow-up criteria, FRs were able to interview about 40,600 HUs of the approximately 44,200 eligible HUs for Wave 2, about 39,100 HUs of the approximately 44,600 eligible HUs for Wave 3, about 38,300 HUs of the approximately 44,900 eligible HUs for Wave 4, about 37,400 HUs of the approximately 45,400 eligible HUs for Wave 5, about 36,900 HUs of the approximately 45,600 eligible HUs for Wave 6, about 36,300 HUs of the approximately 45,700 eligible HUs for Wave 7, and about 36,000 HUs of the approximately 45,700 eligible HUs for Wave 8. In each of these waves, FRs were unable to interview some of the eligible housing units because the occupants either directly or indirectly refused to be interviewed in the same manner described for Wave 1 or moved to an unknown address. The rates of non-interviewed housing units due to direct or indirect refusal (Type A rate) were 6.6% for Wave 2, 9.9% for Wave 3, 11.6% for Wave 4, 13.7% for Wave 5, 15.0% for Wave 6, 16.1% for Wave 7, and 16.1% for Wave 8. The rates of non-interviewed HUs due to moving to an unknown address (Type D rate) were 1.4% for Wave 2, 2.5% for Wave 3, 3.1% for Wave 4, 3.7% for Wave 5, 4.1% for Wave 6, 4.5% for Wave 7, and 5.2% for Wave 8.

Because of budget constraints, a 53% sample cut occurred at Wave 9. Essentially, 76 NSR PSUs were dropped from the sample, as well as 33% of the sample in SR PSUs. This resulted in approximately 21,300 eligible HUs for Wave 9. Out of these 21,300 HUs, FRs were able to interview about 16,600 HUs for Wave 9, about 16,200 HUs for Wave 10, about 15,900 for Wave 11, and about 16,000 HUs for Wave 12. After the sample cut, the rates of non-interviewed housing units due to direct or indirect refusal (Type A rate) were 16.9% for Wave 9, 18.5% for Wave 10, 19.7% for Wave 11, and 18.9% for Wave 12. The rates of non-interviewed HUs due to moving to an unknown address (Type D rate) after the sample cut were 5.2% for Wave 9, 5.3% for Wave 10, 5.7% for Wave 11, and 6.4% for Wave 12.

Since SIPP follows all original sample members, those members that form new households are also included in the SIPP sample. This expansion of original households can be estimated within the interviewed sample, but is impossible to determine within the non-interviewed sample. Therefore, a growth factor based on the growth in the known sample is used to estimate the unknown expansion of the non-interviewed households.

Growth factors account for the additional nonresponse stemming from the expansion of non-interviewed households. They are used to get a more accurate estimate of the number of non-interviewed HUs at each wave, called sample loss. To calculate sample loss we use Formula (1):

$$\text{Sample Loss} = \frac{(A_1 \times GF) + A_C + D_C}{I_C + (A_1 \times GF) + A_C + D_C} \quad (1)$$

where  $A_1$  is the number of Type A non-interviewed households in Wave 1,  $A_C$  is the number of Type A non-interviewed households in the Current Wave,  $D_C$  is the number of Type D non-interviewed households in the current wave,  $I_C$  is the number of interviewed households in the current wave, and  $GF$  is the growth factor associated with the current wave.

**Table A. Sample Loss for SIPP 2004**

Wave	Eligible HUs	Interviewed HUs	Type As		Type Ds		Growth Factor	Sample Loss
			Total	Rate	Total	Rate		
<b>1</b>	51363	43711	7652	14.9%				14.9%
<b>2</b>	44150	40587	2935	6.6%	628	1.4%	1.0227	21.9%
<b>3</b>	44614	39117	4395	9.9%	1102	2.5%	1.0356	25.5%
<b>4</b>	44930	38309	5208	11.6%	1413	3.1%	1.0427	27.6%
<b>5</b>	45350	37446	6229	13.7%	1675	3.7%	1.0490	29.8%
<b>6</b>	45638	36931	6830	15.0%	1877	4.1%	1.0540	31.2%
<b>7</b>	45688	36289	7342	16.1%	2057	4.5%	1.0571	32.5%
<b>8</b>	45684	35966	7358	16.1%	2360	5.2%	1.0599	33.1%
<b>9</b>	21296	16587	3608	16.9%	1101	5.2%	1.0619	34.0%
<b>10</b>	21342	16235	3919	18.5%	1188	5.3%	1.0636	35.5%
<b>11</b>	21347	15894	4173	19.7%	1280	5.7%	1.0653	36.9%
<b>12</b>	21332	15952	4024	18.9%	1356	6.4%	1.0668	36.6%

Note that the Wave 1 sample loss rate is the same as the Type A rate since growth factors and Type D (movers) are not applicable until Wave 2.

The public use files include core and supplemental (topical module) data. Core questions are repeated at each interview over the life of the panel. Topical modules include questions which are asked only in certain waves. The 2004 panel topical modules are given in Table 1.

Table 2 indicates the reference months and interview months for the collection of data from each rotation group for the 2004 panel. For example, Wave 1 rotation group 1 of the 2004 panel was interviewed in February 2004 and data for the reference months October 2003 through January 2004 were collected.

**Estimation.** The SIPP estimation procedure involves several stages of weight adjustments to derive the cross-sectional person level weights. First, each person is given a base weight (**BW**) equal to the inverse of the probability of selection of a person's household. Then a noninterview adjustment factor is applied to account for households which were eligible for the sample but which FRs could not interview in Wave 1 (**F<sub>N1</sub>**). Next, a Duplication Control Factor (**DCF**) is used to adjust for subsampling done in the field when the number of sample units is much larger than expected. A Mover's Weight (**MW**) is applied to adjust for persons in the SIPP universe who move into sample households after Wave 1. The last adjustment is the Second Stage Adjustment Factor (**F<sub>2S</sub>**). This adjusts estimates to population controls and equalizes husbands' and wives' weights. The 2004 Panel adjusts weights to both national and state level controls.

The final cross-sectional weight is  $FW_c = BW * DCF * F_{N1} * F_{2S}$  for Wave 1 and is  $FW_c = IW * F_{N2} * F_{2S}$  for Waves 2+, where **IW** is either  $BW * DCF * F_{N1}$  or **MW**. Additional details of the weighting process are in *SIPP 2004+: Cross-Sectional Weighting Specifications for Wave 1 and Wave 2+*.

**Population Controls.** The 2004 SIPP estimation procedure adjusts weighted sample results to agree with independently derived population estimates of the civilian noninstitutional population. National family type controls are obtained by taking the Current Population Survey (CPS) weights and doing a “March type” family equalization. That is, wives’ weights are assigned to husbands and then proportionally adjusted to the weights of persons by month, rotation group, race, sex, age, and by the marital and family status of householders. This attempts to correct for undercoverage and thereby reduces the mean square error of the estimates. The national and state level population controls are obtained directly from the Population Division and are prepared each month to agree with the most current set of population estimates released by the Census Bureau’s population estimates and projections program.

The national level controls are distributed by demographic characteristics as follows:

- Age, Sex, and Race (White Alone, Black Alone, and all other groups combined)
- Age, Sex, and Hispanic Origin

The state level controls are distributed by demographic characteristics as follows:

- State by Age and Sex
- State by Hispanic origin
- State by Race (Black Alone, all other groups combined)

The estimates begin with the latest decennial census as the base and incorporate the latest available information on births and deaths along with the latest estimates of net international migration.

The net international migration component in the population estimates include a combination of:

- Legal migration to the U.S.,
- Emigration of foreign born and native people from the U.S.,
- Net movement between the U.S. and Puerto Rico,
- Estimates of temporary migration, and
- Estimates of net residual foreign-born population, which include unauthorized migration.

Because the latest available information on these components lags the survey date, to develop the estimate for the survey date, it is necessary to make short-term projections of these components.

**Use of Weights.** There are three primary weights for the analysis of SIPP data. The person month weight (one for each reference month) is for analyzing data at the person level. Everyone in the sample in a given reference month has a person month weight. The person month weight of the household reference person is used to analyze data at the household level (a household may consist of related and unrelated persons). The person month weight of the family reference person is the family weight. Use this weight to analyze family level questions. Weights are also available in the public use files for related subfamilies. Chapter 8 of the SIPP Users’ Guide provides additional information on how to use these weights.

By selecting the appropriate reference month weight an analyst can obtain the average of an item such as income across several calendar months.

**Example.** Using the proper weights, one can estimate the monthly average number of households in a specified income range over December 2003 to January 2004. To estimate monthly averages of a given measure, e.g., total, mean, over a number of consecutive months, sum the monthly estimates and divide by the number of months. To form an estimate for a particular month, use the reference month weight for the month of interest, summing over all persons or households with the characteristic of interest whose reference period includes the month of interest.

The core wave file does not contain weights for characteristics that involve a person's or household's status over two or more months (such as, number of households with a 50 percent increase in income between December 2003 and January 2004).

**Adjusting Estimates Which Use Less than the Full Sample.** When estimates for months with less than four rotations worth of data are constructed from a wave file, factors greater than 1 must be applied. Multiply the sum by a factor to account for the number of rotations contributing data for the month. This factor equals 4 divided by the number of rotations contributing data for the month. For example, December 2003 data are only available from rotations 1-3 for Wave 1 of the 2004 Panel, so a factor of  $4/3 \approx 1.3333$  must be applied. A list of appropriate factors is in Table 3.

## ACCURACY OF ESTIMATES

SIPP estimates are based on a sample; they may differ somewhat from the figures that would have been obtained if a complete census had been taken using the same questionnaire, instructions, and enumerators. There are two types of errors possible in an estimate based on a sample survey: sampling and nonsampling. For a given estimator, the difference between an estimate based on a sample and the estimate that would result if the sample were to include the entire population is known as sampling error. For a given estimator, the difference between the estimate that would result if the sample were to include the entire population and the true population value being estimated is known as nonsampling error. We are able to provide estimates of the magnitude of SIPP sampling error, but this is not true of nonsampling error.

**Nonsampling Error.** Nonsampling errors can be attributed to many sources:

- Inability to obtain information about all cases in the sample
- Definitional difficulties
- Differences in the interpretation of questions
- Inability or unwillingness on the part of the respondents to provide correct information
- Errors made in the following: collection such as in recording or coding the data, processing the data, estimating values for missing data
- Biases resulting from the differing recall periods caused by the interviewing pattern used and undercoverage.

Quality control and edit procedures were used to reduce errors made by respondents, coders and interviewers. More detailed discussions of the existence and control of nonsampling errors in the SIPP can be found in the *SIPP Quality Profile, 1998 SIPP Working Paper Number 230*, issued May 1999.

Undercoverage in SIPP results from missed HUs and missed persons within sample HUs. It is known that undercoverage varies with age, race, and sex. Generally, undercoverage is larger for males than for females and larger for Blacks than for non-Blacks. Ratio estimation to independent age-race-sex population controls partially corrects for the bias due to survey undercoverage. However, biases exist in the estimates to the extent that persons in missed households or missed persons in interviewed households have characteristics different from those of interviewed persons in the same age-race-sex group.

A common measure of survey coverage is the coverage ratio, the estimated population before ratio adjustment divided by the independent population control. Table B below shows SIPP coverage ratios for age-sex-race groups for one month, January 2004, prior to the ratio adjustment. The SIPP coverage ratios exhibit some variability from month to month, but these are a typical set of coverage ratios. Other Census Bureau household surveys [like the CPS] experience similar coverage.

**Comparability with Other Estimates.** Caution should be exercised when comparing this data with data from other SIPP products or with data from other surveys. The comparability problems are caused by such sources as the seasonal patterns for many characteristics, different nonsampling errors, and different concepts and procedures. Refer to the *SIPP Quality Profile* for known differences with data from other sources and further discussions.

**Sampling Variability.** Standard errors indicate the magnitude of the sampling error. They also partially measure the effect of some nonsampling errors in response and enumeration, but do not measure any systematic biases in the data. The standard errors for the most part measure the variations that occurred by chance because a sample rather than the entire population was surveyed.

**Table B. SIPP Average Coverage Ratios for January 2004 for Age by Race and Sex**

Age	White Only		Black Only		Residual	
	Male	Female	Male	Female	Male	Female
<15	0.89	0.90	0.85	0.82	1.16	1.07
15	0.89	0.90	0.88	0.83	0.96	0.95
16-17	0.90	0.88	0.75	0.84	0.93	0.89
18-19	0.83	0.81	0.79	0.80	0.96	0.89
20-21	0.75	0.74	0.70	0.77	0.96	1.03
22-24	0.75	0.77	0.75	0.73	0.95	1.06
25-29	0.80	0.89	0.70	0.77	0.90	0.95
30-34	0.84	0.88	0.80	0.84	0.94	0.99
35-39	0.89	0.92	0.80	0.83	1.00	1.06
40-44	0.89	0.88	0.84	0.88	1.03	0.99
45-49	0.85	0.91	0.79	0.94	1.02	1.04
50-54	0.92	0.91	0.80	0.89	1.04	1.09
55-59	0.88	0.91	0.91	0.94	0.97	1.19
60-61	0.89	1.01	0.92	0.82	1.04	1.14
62-64	0.92	0.97	0.76	0.97	1.15	1.07
65-69	0.94	0.93	0.99	1.03	1.07	1.01
70-74	0.94	0.96	0.99	1.04	1.08	0.94
75-79	1.04	0.98	0.93	1.08	0.84	0.95
80-84	0.98	0.92	0.79	0.97	0.84	0.97
85+	0.94	0.85	0.74	1.00	0.79	1.03

## USES AND COMPUTATION OF STANDARD ERRORS

**Confidence Intervals.** The sample estimate and its standard error enable one to construct a confidence interval. A confidence interval is a range about a given estimate that has a known probability of including the result of a complete enumeration. For example, if all possible samples were selected, each of these being surveyed under essentially the same conditions and using the same sample design, and if an estimate and its standard error were calculated from each sample, then:

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.
2. Approximately 90 percent of the intervals from 1.645 standard errors below the estimate to 1.645 standard errors above the estimate would include the average result of all possible samples.
3. Approximately 95 percent of the intervals from two standard errors below the estimate to two standard errors above the estimate would include the average result of all possible samples.

The average estimate derived from all possible samples is or is not contained in any particular computed interval. However, for a particular sample, one can say with a specified confidence that the average estimate derived from all possible samples is included in the confidence interval.

**Hypothesis Testing.** Standard errors may also be used for hypothesis testing, a procedure for distinguishing between population characteristics using sample estimates. The most common types of hypotheses tested are 1) the population characteristics are identical versus 2) they are different. Tests may be performed at various levels of significance, where a level of significance is the probability of concluding that the characteristics are different when, in fact, they are identical.

To perform the most common test, compute the difference  $X_A - X_B$ , where  $X_A$  and  $X_B$  are sample estimates of the characteristics of interest. A later section explains how to derive an estimate of the standard error of the difference  $X_A - X_B$ . Let that standard error be  $S_{DIFF}$ . If  $X_A - X_B$  is between  $(-1.645 \times S_{DIFF})$  and  $(+1.645 \times S_{DIFF})$ , no conclusion about the characteristics is justified at the 10 percent significance level. If, on the other hand  $X_A - X_B$ , is smaller than  $(-1.645 \times S_{DIFF})$  or larger than  $(+1.645 \times S_{DIFF})$ , the observed difference is significant at the 10 percent level. In this event, it is commonly accepted practice to say that the characteristics are different. We recommend that users report only those differences that are significant at the 10 percent level or better. Of course, sometimes this conclusion will be wrong. When the characteristics are the same, there is a 10 percent chance of concluding that they are different.

Note that as more tests are performed, more erroneous significant differences will occur. For example, at the 10 percent significance level, if 100 independent hypothesis tests are performed in which there are no real differences, it is likely that about 10 erroneous differences will occur. Therefore, the significance of any single test should be interpreted cautiously. A Bonferroni correction can be done to account for this potential problem that consists of dividing your stated level of significance by the number of tests you are performing. This correction results in a conservative test of significance.

**Note Concerning Small Estimates and Small Differences.** Because of the large standard errors involved, there is little chance that estimates will reveal useful information when computed on a base smaller than 75,000. For SIPP estimates calculated from Waves 9+, bases smaller than 250,000 will likely yield little useful information. Also, nonsampling error in one or more of the small number of cases providing the estimation can cause large relative error in that particular estimate. Care must be taken in the interpretation of small differences since even a small amount of nonsampling error can cause a borderline difference to appear significant or not, thus distorting a seemingly valid hypothesis test.

**Calculating Standard Errors for SIPP Estimates.** There are three main ways we calculate the Standard Errors (SEs) for SIPP Estimates. They are as follows:

- Direct estimates using replicate weighting methods;
- Generalized variance function parameters (denoted as  $a$  and  $b$ ); and
- Simplified tables of SEs based on the  $a$  and  $b$  parameters.

While the replicate weight methods provide the most accurate variance estimates, this approach requires more computing resources and more expertise on the part of the user. The Generalized Variance Function (GVF) parameters provide a method of balancing accuracy with resource usage as well as smoothing effect on SE estimates across time. SIPP uses the Replicate Weighting Method to produce GVF parameters (see K. Wolter, *Introduction to Variance Estimation*, Chapter 5 for more information). The GVF parameters are used to create the simplified tables of SEs.

**Standard Error Parameters and Tables and Their Use.** Most SIPP estimates have greater standard errors than those obtained through a simple random sample because of its two-stage cluster sample design. To derive standard errors that would be applicable to a wide variety of estimates and could be prepared at a moderate cost, a number of approximations were required.

Estimates with similar standard error behavior were grouped together and two parameters (denoted  $a$  and  $b$ ) were developed to approximate the standard error behavior of each group of estimates. Because the actual standard error behavior was not identical for all estimates within a group, the standard errors computed from these parameters provide an indication of the order of magnitude of the standard error for any specific estimate. These  $a$  and  $b$  parameters vary by characteristic and by demographic subgroup to which the estimate applies. Table 4 provides base  $a$  and  $b$  parameters for the core domains to be used for the 2004 Panel Wave 1 to Wave 12 estimates. The base  $a$  and  $b$  parameters for the topical modules for Wave 1 to Wave 8 are found in Table 5.

For those users who wish further simplification, we have also provided base standard errors for estimates of totals and percentages in Tables 6 through 9. Note that these base standard errors only apply when data from all four rotations are used and must be adjusted by an  $f$  factor provided in Table 4. The standard errors resulting from this simplified approach are less accurate. Methods for using these parameters and tables for computation of standard errors are given in the following sections.

**Adjusting Standard Error Parameters for Estimates Which Use Less Than the Full Sample.** If some rotation groups are unavailable to contribute data to a given estimate, then the estimate and its standard error need to be adjusted. The adjustment of the estimate is described in the previous section. The standard error is adjusted by multiplying the appropriate  $a$  and  $b$  parameters by a factor equal to 4 divided by the number of rotation groups contributing data to the estimate or it can be taken from Table 3 where the factor is given for each single reference month, October 2003 to March 2007.

Use Table 3 to select the adjustment factor appropriate to the wave. Multiply this factor by the  $a$  and  $b$  base parameters of Table 4 to produce  $a$  and  $b$  parameters for the variance estimate for a specific subgroup and reference period.

#### Illustration 1.

Using Table 4 for Wave 1 of the 2004 panel, the base  $a$  and  $b$  parameters for total number of households are -0.00002809 and 3,153, respectively. Using Table 3 for Wave 1, the factor for November 2003 is 2 since only two rotation months of data are available. So the  $a$  and  $b$  parameters for the variance estimate of a white household characteristic in November 2003 based on Wave 1 are:

$$-0.00002809 \times 2 = -0.00005618 \text{ and } 3,153 \times 2 = 6,306, \text{ respectively.}$$

Similarly, the factor from Table 3 for the last quarter of 2003 is 1.8519, since the only data available are the six rotation months from Wave 1. (Rotation 1 provides three rotation months, rotation 2 provides two rotation months, and rotation 3 provides one rotation month of data.) Thus, the  $a$  and  $b$  parameters for the variance estimate of a white household characteristic in the last quarter of 2003 are:

$$-0.00002809 \times 1.8519 = -0.00005202 \text{ and } 3,153 \times 1.8519 = 5,839, \text{ respectively.}$$

**Standard Errors of Estimated Numbers.** The approximate standard error,  $s_x$ , of an estimated number of persons, households, families, unrelated individuals and so forth, can be obtained in two ways. Both apply when data from all four rotations are used to make the estimate. However, only Formula (2) should be used when less than four rotations of data are available for the estimate. Note that neither method should be applied to dollar values.

The standard error may be obtained by the use of Formula (2):

$$s_x = f \times s, \quad (2)$$

where  $f$  is the appropriate  $f$  factor from Table 4, and  $s$  is the base standard error on the estimate obtained by interpolation from Tables 6 or 7. Alternatively,  $s_x$  may be approximated by Formula (3):

$$s_x = \sqrt{ax^2 + bx}. \quad (3)$$

This formula was used to calculate the base standard errors in Tables 8 and 9. Here  $x$  is the size of the estimate and  $a$  and  $b$  are the parameters from Table 4 which are associated with the characteristic being estimated (and the wave which applies). Use of Formula (3) will generally provide more accurate results than the use of Formula (2).

### Illustration 2.

Suppose SIPP estimates based on Wave 1 of the 2004 panel show that there were 2,000,000 females aged 25 to 44 with a monthly income of greater than \$6,000 in January 2004. The appropriate parameters and factor from Table 4 and the appropriate general standard error from Table 6 are:

$$a = -0.00003059 \quad b = 3,582 \quad f = 1.007 \quad s = 83,766$$

Using Formula (2), the approximate standard error is:

$$s_x = 1.007 \times 83,766 = 84,352.$$

Using Formula (3), the approximate standard error is:

$$s_x = \sqrt{(-0.00003059 \times 2,000,000^2) + (3,582 \times 2,000,000)} = 83,914 \text{ females.}$$

Using the standard error based on Formula (3), the approximate 90-percent confidence interval as shown by the data is from 1,861,961 to 2,138,039 females (i.e.,  $2,000,000 \pm 1.645 \times 83,914$ ). Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90% of all samples.

**Standard Error of a Mean.** A mean is defined here to be the average quantity of some item (other than persons, families, or households) per person, family or household. For example, it could be the average

monthly household income of females age 25 to 34. The standard error of a mean can be approximated by Formula (4) below. Because of the approximations used in developing Formula (4), an estimate of the standard error of the mean obtained from this formula will generally underestimate the true standard error. The formula used to estimate the standard error of a mean  $\bar{x}$  is:

$$s_{\bar{x}} = \sqrt{\left(\frac{b}{y}\right)s^2}, \quad (4)$$

where  $y$  is the size of the base,  $s^2$  is the estimated population variance of the item and  $b$  is the parameter associated with the particular type of item.

The population variance  $s^2$  may be estimated by one of two methods. In both methods, we assume  $x_i$  is the value of the item for  $i^{th}$  unit. (A unit may be person, family, or household). To use the first method, the range of values for the item is divided into  $c$  intervals. The lower and upper boundaries of interval  $j$  are  $Z_{j-1}$  and  $Z_j$ , respectively. Each unit,  $x_i$ , is placed into one of  $c$  intervals such that  $Z_{j-1} < x_i \leq Z_j$ .

The estimated population mean,  $\bar{x}$ , and variance,  $s^2$ , are given by the formulas:

$$\begin{aligned} \bar{x} &= \sum_{j=1}^c p_j m_j \\ s^2 &= \sum_{j=1}^c p_j m_j^2 - \bar{x}^2, \end{aligned} \quad (5)$$

where  $m_j = (Z_{j-1} + Z_j) / 2$ , and  $p_j$  is the estimated proportion of units in the interval  $j$ . The most representative value of the item in the interval  $j$  is assumed to be  $m_j$ . If the interval  $c$  is open-ended, or no upper interval boundary exists, then an approximate value for  $m_c$  is

$$m_c = \frac{3}{2} Z_{c-1}.$$

In the second method, the estimated population mean,  $\bar{x}$ , and variance,  $s^2$  are given by:

$$\begin{aligned} \bar{x} &= \frac{\sum_{i=1}^n w_i x_i}{\sum_{i=1}^n w_i} \\ s^2 &= \frac{\sum_{i=1}^n w_i x_i^2}{\sum_{i=1}^n w_i} - \bar{x}^2, \end{aligned} \quad (6)$$

where there are  $n$  units with the item of interest and  $w_i$  is the final weight for  $i^{th}$  unit. (Note that  $\sum w_i = y$ .)

### Illustration 3.

Suppose that based on Wave 1 data, the distribution of monthly cash income for persons age 25 to 34 during the month of January 2004 is given in Table 10. Using these data, the mean monthly cash income for persons aged 25 to 34 is \$2,530. Applying Formula (5), the approximate population variance,  $s^2$ , is:

$$s^2 = \left( \frac{1,371}{39,851} \right) (150)^2 + \left( \frac{1,651}{39,851} \right) (450)^2 + \dots + \left( \frac{1,493}{39,851} \right) (9,000)^2 - (2,530)^2 = 3,159,887.$$

Using Formula (4) and a base  $b$  parameter of 3,582, the estimated standard error of a mean  $\bar{x}$  is:

$$s_{\bar{x}} = \sqrt{\frac{3,582}{39,851,000} \times 3,159,887} = \$16.85.$$

Thus, the approximate 90-percent confidence interval as shown by the data ranges from \$2,502.28 to \$2,557.72.

**Standard Error of an Aggregate.** An aggregate is defined to be the total quantity of an item summed over all the units in a group. The standard error of an aggregate can be approximated using Formula (7).

As with the estimate of the standard error of a mean, the estimate of the standard error of an aggregate will generally underestimate the true standard error. Let  $y$  be the size of the base,  $s^2$  be the estimated population variance of the item obtained using Formula (5) or Formula (6) and  $b$  be the parameter associated with the particular type of item. The standard error of an aggregate is:

$$s_x = \sqrt{b \times y \times s^2}. \quad (7)$$

**Standard Errors of Estimated Percentages.** The reliability of an estimated percentage, computed using sample data for both numerator and denominator, depends upon both the size of the percentage and the size of the total upon which the percentage is based. Estimated percentages are relatively more reliable than the corresponding estimates of the numerators of the percentages, particularly if the percentages are 50 percent or more, e.g., the percent of people employed is more reliable than the estimated number of people employed. When the numerator and denominator of the percentage have different parameters, use the parameter (and appropriate factor) of the numerator. If proportions are presented instead of percentages, note that the standard error of a proportion is equal to the standard error of the corresponding percentage divided by 100.

There are two types of percentages commonly estimated. The first is the percentage of people sharing a particular characteristic such as the percent of people owning their own home. The second type is the percentage of money or some similar concept held by a particular group of people or held in a particular form. Examples are the percent of total wealth held by people with high income and the percent of total income received by people on welfare.

For the percentage of people, the approximate standard error,  $s_{(x,p)}$ , of the estimated percentage  $p$  can be obtained by the formula:

$$s_{(x,p)} = f \times s, \quad (8)$$

when data from all four rotations are used to estimate  $p$ . In this formula,  $f$  is the appropriate  $f$  factor from Table 4 (for the appropriate wave) and  $s$  is the base standard error of the estimate from Tables 8 or 9.

Alternatively, it may be approximated by the formula:

$$s_{(x,p)} = \sqrt{\frac{b}{x} (p) (100-p)}, \quad (9)$$

from which the standard errors in Tables 8 and 9 were calculated. Here  $x$  is the size of the subclass of social units which is the base of the percentage,  $p$  is the percentage ( $0 < p < 100$ ), and  $b$  is the parameter associated with the characteristic in the numerator. Use of Formula (9) will give more accurate results than use of Formula (8) above and should be used when data from less than four rotations are used to estimate  $p$ .

#### Illustration 4.

Suppose that in January 2004, 6.7 percent of the 16,812,000 persons in nonfarm households with a mean monthly household cash income of \$4,000 to \$4,999, were black. Using Formula (9), a  $b$  parameter of 3,253, and a factor of 1 from Table 3 since all four rotations are used, the approximate standard error is:

$$s_{(x,p)} = \sqrt{\frac{3,253}{16,812,000} \times 6.7 \times (100-6.7)} = 0.35 \text{ percent.}$$

Consequently, the 90 percent confidence interval as shown by these data is from 6.12 to 7.28 percent.

For percentages of money, a more complicated formula is required. A percentage of money will usually be estimated in one of two ways. It may be the ratio of two aggregates:

$$p_I = 100 \left( \frac{x_A}{x_N} \right),$$

or it may be the ratio of two means with an adjustment for different bases:

$$p_I = 100 \left( \hat{p}_A \frac{\bar{x}_A}{\bar{x}_N} \right),$$

where  $x_A$  and  $x_N$  are aggregate money figures,  $\bar{x}_A$  and  $\bar{x}_N$  are mean money figures, and  $\hat{p}_A$  is the estimated number in group A divided by the estimated number in group N. In either case, we estimate the standard error as

$$s_I = \sqrt{\left(\frac{\hat{p}_A \bar{x}_A}{\bar{x}_N}\right)^2 \left[ \left(\frac{s_p}{\hat{p}_A}\right)^2 + \left(\frac{s_A}{\bar{x}_A}\right)^2 + \left(\frac{s_B}{\bar{x}_N}\right)^2 \right]}, \quad (10)$$

where  $s_p$  is the standard error of  $\hat{p}_A$ ,  $s_A$  is the standard error of  $\bar{x}_A$  and  $s_B$  is the standard error of  $\bar{x}_N$ . To calculate  $s_p$ , use Formula (9). The standard errors of  $\bar{x}_N$  and  $\bar{x}_A$  may be calculated using Formula (4).

It should be noted that there is frequently some correlation between  $\hat{p}_A$ ,  $\bar{x}_N$ , and  $\bar{x}_A$ . Depending on the magnitude and sign of the correlations, the standard error will be over or underestimated.

### Illustration 5.

Suppose that in January 2004, 9.8% of the households own rental property, the mean value of rental property is \$72,121, the mean value of assets is \$78,734, and the corresponding standard errors are 0.18%, \$5,468, and \$2,703, respectively. In total there are 86,790,000 households. Then, the percent of all household assets held in rental property is:

$$100 \left( 0.098 \times \frac{72,121}{78,734} \right) = 9.0\%.$$

Using Formula (10), the appropriate standard error is:

$$s_I = \sqrt{\left(\frac{0.098 \times 72,121}{78,734}\right)^2 \left[ \left(\frac{0.0018}{0.098}\right)^2 + \left(\frac{5,468}{72,121}\right)^2 + \left(\frac{2,703}{78,734}\right)^2 \right]} = 0.7\%.$$

**Standard Error of a Difference.** The standard error of a difference between two sample estimates is approximately equal to

$$s_{(x-y)} = \sqrt{s_x^2 + s_y^2}, \quad (11)$$

where  $s_x$  and  $s_y$  are the standard errors of the estimates  $x$  and  $y$ . The estimates can be numbers, percents, ratios, etc. The above formula assumes that the correlation coefficient between the characteristics estimated by  $x$  and  $y$  is zero. If the correlation is really positive (negative), then this assumption will tend to cause overestimates (underestimates) of the true standard error.

### Illustration 6.

Suppose that for January 2004 SIPP estimates show the number of persons age 35-44 years with monthly cash income of \$4,000 to \$4,999 was 4,880,200 and the number of persons age 25-34 years with monthly cash income of \$4,000 to \$4,999 in the same time period was 4,810,800. Then, using the parameters  $a = -0.00001583$  and  $b = 3,582$  from Table 4 and Formula (3), the standard errors of these numbers are approximately 130,782 and 129,869, respectively. The difference in sample estimates is 69,400 and using Formula (11), the approximate standard error of the difference is:

$$\sqrt{130,782^2 + 129,869^2} = 184,309.$$

Suppose that it is desired to test at the 10 percent significance level whether the number of persons with monthly cash income of \$4,000 to \$4,999 was different for people age 35-44 years than for people age 25-34 years. To perform the test, compare the difference of 69,400 to the product  $1.645 \times 184,309 = 303,188$ . Since the difference is not greater than 1.645 times the standard error of the difference, the data show that the two age groups are not significantly different at the 10 percent significance level.

**Standard Error of a Median.** The median quantity of some item such as income for a given group of people is that quantity such that at least half the group have as much or more and at least half the group have as much or less. The sampling variability of an estimated median depends upon the form of the distribution of the item as well as the size of the group. To calculate standard errors on medians, the procedure described below may be used.

The median, like the mean, can be estimated using either data which have been grouped into intervals or ungrouped data. If grouped data are used, the median is estimated using Formulas (12) or (13) with  $p = 0.5$ . If ungrouped data are used, the data records are ordered based on the value of the characteristic, then the estimated median is the value of the characteristic such that the weighted estimate of 50 percent of the subpopulation falls at or below that value and 50 percent is at or above that value. Note that the method of standard error computation which is presented here requires the use of grouped data. Therefore, it should be easier to compute the median by grouping the data and using Formulas (12) or (13).

An approximate method for measuring the reliability of an estimated median is to determine a confidence interval about it. (See the section on sampling variability for a general discussion of confidence intervals.) The following procedure may be used to estimate the 68-percent confidence limits and hence the standard error of a median based on sample data.

1. Determine, using either Formula (8) or Formula (9), the standard error of an estimate of 50 percent of the group.
2. Add to and subtract from 50 percent the standard error determined in step 1.

3. Using the distribution of the item within the group, calculate the quantity of the item such that the percent of the group with more of the item is equal to the smaller percentage found in step 2. This quantity will be the upper limit for the 68-percent confidence interval. In a similar fashion, calculate the quantity of the item such that the percent of the group with more of the item is equal to the larger percentage found in step 2. This quantity will be the lower limit for the 68-percent confidence interval.
4. Divide the difference between the two quantities determined in step 3 by two to obtain the standard error of the median.

To perform step 3, it will be necessary to interpolate. Different methods of interpolation may be used. The most common are simple linear interpolation and Pareto interpolation. The appropriateness of the method depends on the form of the distribution around the median. If density is declining in the area, then we recommend Pareto interpolation. If density is fairly constant in the area, then we recommend linear interpolation. Note, however, that Pareto interpolation can never be used if the interval contains zero or negative measures of the item of interest. Interpolation is used as follows. The quantity of the item such that  $p$  percent have more of the item is:

$$X_{pN} = A_1 \times \exp \left[ \left( \frac{\ln(pN / N_1)}{\ln(N_2 / N_1)} \right) \ln \left( \frac{A_2}{A_1} \right) \right], \quad (12)$$

if Pareto Interpolation is indicated and:

$$X_{pN} = \left[ A_1 + \left( \frac{PN - N_1}{N_2 - N_1} \right) (A_2 - A_1) \right], \quad (13)$$

if linear interpolation is indicated, where:

- $N$  is the size of the group,
- $A_1$  and  $A_2$  are the lower and upper bounds, respectively, of the interval in which  $X_{pN}$  falls
- $N_1$  and  $N_2$  are the estimated number of group members owning more than  $A_1$  and  $A_2$ , respectively
- $\exp$  refers to the exponential function and
- $\ln$  refers to the natural logarithm function

### Illustration 7.

To illustrate the calculations for the sampling error on a median, we return to Table 10. The median monthly income for this group is \$2,158. The size of the group is 39,851,000.

1. Using Formula (9), the standard error of 50 percent on a base of 39,851,000 is about 0.5 percentage points.
2. Following step 2, the two percentages of interest are 49.5 and 50.5.
3. By examining Table 10, we see that the percentage 49.5 falls in the income interval from \$2,000 to \$2,499. (Since 55.5% receive more than \$2,000 per month, the dollar value corresponding to 49.5 must be between \$2,000 and \$2,500.) Thus,  $A_1 = \$2,000$ ,  $A_2 = \$2,500$ ,  $N_1 = 22,106,000$ , and  $N_2 = 16,307,000$ .

In this case, we decided to use Pareto interpolation. Therefore, using Formula (12), the upper bound of a 68% confidence interval for the median is

$$\$2,000 \times \exp\left[\frac{\ln((0.495 \times 39,851,000) / 22,106,000)}{\ln(16,307,000/22,106,000)} \times \ln\left(\frac{2,500}{2,000}\right)\right] = \$2,174.$$

Also by examining Table 10, we see that 50.5 falls in the same income interval. Thus,  $A_1$ ,  $A_2$ ,  $N_1$  and  $N_2$  are the same. We also use Pareto interpolation for this case. So the lower bound of a 68% confidence interval for the median is

$$\$2,000 \times \exp\left[\frac{\ln((0.505 \times 39,851,000) / 22,106,000)}{\ln(16,307,000/22,106,000)} \times \ln\left(\frac{2,500}{2,000}\right)\right] = \$2,142.$$

Thus, the 68-percent confidence interval on the estimated median is from \$2,142 to \$2,174.

4. Then the approximate standard error of the median is

$$\frac{\$2,174 - \$2,142}{2} = \$16.$$

**Standard Errors of Ratios of Means and Medians.** The standard error for a ratio of means or medians is approximated by:

$$s_{\frac{x}{y}} = \sqrt{\left(\frac{x}{y}\right)^2 \left[ \left(\frac{s_y}{y}\right)^2 + \left(\frac{s_x}{x}\right)^2 \right]}, \quad (13)$$

where  $x$  and  $y$  are the means or medians, and  $s_x$  and  $s_y$  are their associated standard errors.

Formula (14) assumes that the means are not correlated. If the correlation between the population means estimated by  $x$  and  $y$  are actually positive (negative), then this procedure will tend to produce overestimates (underestimates) of the true standard error for the ratio of means.

**Standard Errors Using SAS or SPSS.** Standard errors and their associated variance, calculated by SAS or SPSS statistical software package, do not accurately reflect the SIPP's complex sample design. Erroneous conclusions will result if these standard errors are used directly. We provide adjustment factors by characteristics that should be used to correctly compensate for likely under-estimates. The factors called DEFF available in Table 4, must be applied to SAS or SPSS generated variances. The square root of DEFF can be directly applied to similarly generated standard errors. These factors approximate design effects which adjust statistical measures for sample designs more complex than simple random sample.

## TABLES

Table 1. 2004 Panel Topical Modules			
<b>W1</b>	<ul style="list-style-type: none"> <li>• Recipiency History</li> <li>• Employment History</li> </ul>	<b>W5</b>	<ul style="list-style-type: none"> <li>• Adult Well-Being</li> <li>• Child Support Agreements</li> <li>• Functional Limitations/Disabilities-Adult</li> <li>• Functional Limitations/Disabilities-Child</li> <li>• Support for Non-household members</li> <li>• School Enrollment &amp; Financing</li> <li>• Employer-Provided Health Benefits</li> </ul>
<b>W2</b>	<ul style="list-style-type: none"> <li>• Work Disability</li> <li>• Marital History</li> <li>• Fertility History</li> <li>• Household Relationships</li> <li>• Education &amp; Training History</li> <li>• Migration History</li> </ul>	<b>W6</b>	<ul style="list-style-type: none"> <li>• Assets and Liabilities</li> <li>• Real Estate, Dependent Care, and Vehicles</li> <li>• Mortgage, Stocks, Int Acct, Rental, Val Bus, Other</li> <li>• Medical Expenses/Utilization of Health Care Services</li> <li>• Work-related Expenses</li> <li>• Child Support Paid</li> </ul>
<b>W3</b>	<ul style="list-style-type: none"> <li>• Child Well-Being</li> <li>• Work-related Expenses</li> <li>• Child Support Paid</li> <li>• Medical Expenses/Utilization of Health Care Services</li> <li>• Assets and Liabilities</li> <li>• Real Estate, Dependent Care, and Vehicles</li> <li>• Mortgage, Stocks, Int Acct, Rental, Val Bus, Other</li> </ul>	<b>W7</b>	<ul style="list-style-type: none"> <li>• Annual Income &amp; Retirement Accounts</li> <li>• Taxes</li> <li>• Informal Care Giving</li> <li>• Retirement &amp; Pension Plan Coverage</li> </ul>
<b>W4</b>	<ul style="list-style-type: none"> <li>• Annual Income &amp; Retirement Accounts</li> <li>• Taxes</li> <li>• Child Care</li> <li>• Work Schedule</li> </ul>	<b>W8</b>	<ul style="list-style-type: none"> <li>• Welfare Reform</li> <li>• Child Care</li> <li>• Child Well-Being</li> </ul>

**Table 2. SIPP Panel 2004 Reference Months (horizontal) for Each Interview Month (vertical)**

Month of Interview	Wave / Rotation	2003				2004				2005				2006				2007																						
		4 <sup>th</sup> Quarter		1 <sup>st</sup> Quarter	2 <sup>nd</sup> Quarter	3 <sup>rd</sup> Quarter	4 <sup>th</sup> Quarter	1 <sup>st</sup> Quarter		2 <sup>nd</sup> Quarter	3 <sup>rd</sup> Quarter	4 <sup>th</sup> Quarter	1 <sup>st</sup> Quarter		2 <sup>nd</sup> Quarter	3 <sup>rd</sup> Quarter	4 <sup>th</sup> Quarter	1 <sup>st</sup> Quarter		2 <sup>nd</sup> Quarter	3 <sup>rd</sup> Quarter	4 <sup>th</sup> Quarter																		
		O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D												
Feb 04	1/1	1	2	3	4																																			
Mar	1/2		1	2	3	4																																		
Apr	1/3			1	2	3	4																																	
May	1/4				1	2	3	4																																
Jun	2/1				1	2	3	4																																
July	2/2					1	2	3	4																															
Aug	2/3						1	2	3	4																														
Sept	2/4							1	2	3	4																													
Oct	3/1							1	2	3	4																													
Nov	3/2								1	2	3	4																												
Dec	3/3									1	2	3	4																											
Jan 05	3/4									1	2	3	4																											
Feb	4/1									1	2	3	4																											
Mar	4/2										1	2	3	4																										
Apr	4/3										1	2	3	4																										
May	4/4											1	2	3	4																									
Jun	5/1										1	2	3	4																										
July	5/2											1	2	3	4																									
Aug	5/3												1	2	3	4																								
Sept	5/4													1	2	3	4																							
Oct	6/1												1	2	3	4																								
Nov	6/2													1	2	3	4																							
Dec	6/3														1	2	3	4																						
Jan 06	6/4														1	2	3	4																						
Feb	7/1														1	2	3	4																						
Mar	7/2															1	2	3	4																					
Apr	7/3																1	2	3	4																				
May	7/4																	1	2	3	4																			
Jun	8/1																1	2	3	4																				
July	8/2																	1	2	3	4																			
Aug	8/3																		1	2	3	4																		
Sep	8/4																		1	2	3	4																		
Oct	9/1																		1	2	3	4																		
Nov	9/2																			1	2	3	4																	
Dec	9/3																				1	2	3	4																
Jan 07	9/4																					1	2	3	4															
Feb	10/1																				1	2	3	4																
Mar	10/2																					1	2	3	4															
Apr	10/3																						1	2	3	4														
May	10/4																							1	2	3	4													
Jun	11/1																								1	2	3	4												
Jul	11/2																									1	2	3	4											
Aug	11/3																										1	2	3	4										
Sep	11/4																											1	2	3	4									
Oct	12/1																											1	2	3	4									
Nov	12/2																												1	2	3	4								
Dec	12/3																													1	2	3	4							
Jan 08	12/4																														1	2	3	4						

**Table 3. Factors to be Used When Using Less Than Full Sample**

<b>Number of Available Rotation Months<sup>2</sup></b>	<b>Factor</b>
<b>Monthly Estimate</b>	
1	4.0000
2	2.0000
3	1.3333
4	1.0000
<b>Quarterly Estimate</b>	
6	1.8519
8	1.4074
9	1.2222
10	1.0494
11	1.0370
12	1.0000

<sup>2</sup>

The number of available rotation months for a given estimate is the sum of the number of rotations available for each month of the estimates.

**Table 4. SIPP Generalized Variance Parameters for the 2004 Panel, Wave 1 File**

Domain	Parameters	a	b	DEFF	f
<b>Poverty and Program Participation, Persons 15+</b>					
Total	-0.00001545	3,497		1.76	0.995
Male	-0.00003203	3,497			
Female	-0.00002986	3,497			
<b>Income and Labor Force Participation, Persons 15+</b>					
Total	-0.00001583	3,582		1.80	1.007
Male	-0.00003281	3,582			
Female	-0.00003059	3,582			
<b>Other, Persons 0+</b>					
Total (or White)	-0.00001231	3,533		1.78	1.000
Male	-0.00002519	3,533			
Female	-0.00002407	3,533			
<b>Black, Persons 0+</b>					
Male	-0.00019519	3,253		1.64	0.960
Female	-0.00016874	3,253			
<b>Hispanic, Persons 0+</b>					
Male	-0.00023067	4,736		2.38	1.158
Female	-0.00024207	4,736			
<b>Households</b>					
Total (or White)	-0.00002809	3,153		1.59	1.000
Black	-0.00022908	3,153			
Hispanic	-0.00026942	3,153			

Notes on Domain Usage for Table 4:

- Poverty and Program Participation Use these parameters for estimates concerning poverty rates, welfare program participation (e.g., foodstamp, SSI, TANF), and other programs for adults with low incomes.
- Income and Labor Force These parameters are for estimates concerning income, sources of income, labor force participation, economic well being other than poverty, employment related estimates (e.g., occupation, hours worked a week), and other income, job, or employment related estimates.
- Other Persons Use the “Other Persons” parameters for estimates of total (or white) persons aged 0+ in the labor force, and all other characteristics not specified in this table, for the total or white population.
- Black/Hispanic Persons Use these parameters for estimates of Black and Hispanic persons 0+.
- Households Use these parameters for all household level estimates.

**Table 4. (Continued) SIPP Generalized Variance Parameters for the 2004 Panel,  
Wave 2 to Wave 4 File**

Domain	Parameters		DEFF	<i>f</i>
	<i>a</i>	<i>b</i>		
<b>Poverty and Program Participation, Persons 15+</b>				
Total	-0.00001806	4,155	2.09	1.084
Male	-0.00003736	4,155		
Female	-0.00003495	4,155		
<b>Income and Labor Force Participation, Persons 15+</b>				
Total	-0.00001829	4,209	2.12	1.091
Male	-0.00003784	4,209		
Female	-0.00003540	4,209		
<b>Other Persons 0+</b>				
Total (or White)	-0.00001456	4,234	2.13	1.095
Male	-0.00002975	4,234		
Female	-0.00002850	4,234		
<b>Black Persons 0+</b>				
Male	-0.00023121	3,924	1.97	1.054
Female	-0.00020087	3,924		
<b>Hispanic Persons 0+</b>				
Male	-0.00028231	6,028	3.03	1.306
Female	-0.00029771	6,028		
<b>Households</b>				
Total (or White)	-0.00003296	3,769	1.89	1.093
Black	-0.00026726	3,769		
Hispanic	-0.00030744	3,769		

**Table 4. (Continued) SIPP Generalized Variance Parameters for the 2004 Panel,  
Wave 5 to Wave 8 File**

<b>Domain</b>	<b>Parameters</b>		<b>DEFF</b>	<b>f</b>
	<i>a</i>	<i>b</i>		
<b>Poverty and Program Participation, Persons 15+</b>				
Total	-0.00002001	4,660	2.34	1.148
Male	-0.00004138	4,660		
Female	-0.00003874	4,660		
<b>Income and Labor Force Participation, Persons 15+</b>				
Total	-0.00001938	4,514	2.27	1.130
Male	-0.00004008	4,514		
Female	-0.00003752	4,514		
<b>Other, Persons 0+</b>				
Total (or White)	-0.00001599	4,693	2.36	1.153
Male	-0.00003267	4,693		
Female	-0.00003130	4,693		
<b>Black, Persons 0+</b>				
Male	-0.00025188	4,318	2.17	1.106
Female	-0.00021829	4,318		
<b>Hispanic, Persons 0+</b>				
Male	-0.00016261	6,984	3.51	1.406
Female	-0.00031731	6,984		
-0.00033355	6,984			
<b>Households</b>				
Total (or White)	-0.00003589	4,147	2.08	1.147
Black	-0.00028996	4,147		
Hispanic	-0.00032503	4,147		

**Table 4. (Continued) SIPP Generalized Variance Parameters for the 2004 Panel,  
Wave 9 to Wave 12 File**

Domain	Parameters		DEFF	<i>f</i>
	<i>a</i>	<i>b</i>		
<b>Poverty and Program Participation, Persons 15+</b>				
Total	-0.00004350	10,303	2.41	1.708
Male	-0.00008984	10,303		
Female	-0.00008434	10,303		
<b>Income and Labor Force Participation, Persons 15+</b>				
Total	-0.00004054	9,601	2.24	1.648
Male	-0.00008372	9,601		
Female	-0.00007859	9,601		
<b>Other, Persons 0+</b>				
Total (or White)	-0.00003490	10,387	2.43	1.715
Male	-0.00007126	10,387		
Female	-0.00006840	10,387		
<b>Black, Persons 0+</b>				
Male	-0.00063453	11,062	2.58	1.769
Female	-0.00055094	11,062		
<b>Hispanic, Persons 0+</b>				
Male	-0.00054931	12,747	2.98	1.899
Female	-0.00058146	12,747		
<b>Households</b>				
Total (or White)	-0.00007450	8,765	2.05	1.667
Black	-0.00058983	8,765		
Hispanic	-0.00065172	8,765		

Notes: (1) The *a* and *b* parameters are higher than those in Waves 1-8 because of the 53% sample cut that occurred for Waves 9+.

(2) The effective Sampling Interval associated with the 53% sample cut for Waves 9+ is 4282.

**Table 5. Topical Module Generalized Variance Parameters for the 2004**

Characteristics	Parameters	
	<i>a</i>	<i>b</i>
<b>Employment History, Wave 1</b>		
Both Sexes, Age 18+	-0.00001583	3,582
Male, Age 18+	-0.00003281	3,582
Female, Age 18+	-0.00003059	3,582
<b>Recipiency History, Wave 1</b>		
Both Sexes, Age 18+	-0.00001545	3,497
Male, Age 18+	-0.00003203	3,497
Female, Age 18+	-0.00002986	3,497
<b>Fertility History, Wave 2</b>		
Women	-0.00002695	3,185
Births	-0.00004916	5,807
<b>Education History, Wave 2</b>	-0.00001897	4,338
<b>Marital History, Wave 2</b>		
Some Household Members	-0.00002873	6,564
All Household Members	-0.00002652	7,976
<b>Migration History, Wave 2</b>	-0.00002129	4,856
<b>Assets and Liabilities</b>		
Wave 3	-0.00001956	4,495
Wave 6	-0.00002076	4,831
<b>Child Well-Being (Under 18)</b>		
Wave 3	-0.00005695	4,176
Wave 8	-0.00006638	4,882
<b>Child Care (Age 0 to 15)</b>		
Wave 4	-0.00006287	4,589
Wave 8	-0.00006765	5,020
<b>Child Support, Wave 5</b>	-0.00004819	5,791
<b>Support for Non-Household Members, Wave 5</b>	-0.00002499	5,791
<b>Health and Disability, Wave 5</b>	-0.00002381	7,247
<b>Welfare Reform, Wave 8</b>	-0.00005981	13508

**Table 6. Base Standard Errors of Estimated Numbers of Household or Families**

<b>Size of Estimate</b>	<b>Standard Error</b>	<b>Size of Estimate</b>	<b>Standard Error</b>
200,000	25,089	30,000,000	263,266
300,000	30,714	40,000,000	284,914
500,000	39,617	50,000,000	295,677
750,000	48,466	60,000,000	296,742
1,000,000	55,901	70,000,000	288,217
2,000,000	78,700	80,000,000	269,191
3,000,000	95,949	90,000,000	237,152
5,000,000	122,730	95,000,000	214,529
7,500,000	148,551	99,500,000	188,747
10,000,000	169,473	105,000,000	146,194
15,000,000	202,422	110,000,000	83,313
25,000,000	247,525	112,246,000	1052

Note: These estimates are calculations using the Household Total(or White)  $a$  and  $b$  parameters from Table 4.

**Table 7. Base Standard Errors of Estimated Numbers of Persons**

<b>Size of Estimate</b>	<b>Standard Error</b>	<b>Size of Estimate</b>	<b>Standard Error</b>
200,000	26,573	110,000,000	489,570
300,000	32,539	120,000,000	496,685
500,000	37,566	130,000,000	501,249
750,000	51,408	140,000,000	503,333
1,000,000	59,335	150,000,000	502,966
2,000,000	83,766	160,000,000	500,144
3,000,000	102,412	170,000,000	494,824
5,000,000	131,747	180,000,000	486,925
7,500,000	160,640	190,000,000	476,318
10,000,000	184,659	200,000,000	462,817
15,000,000	224,110	210,000,000	446,160
25,000,000	283,956	220,000,000	425,977
30,000,000	308,076	230,000,000	401,735
40,000,000	348,746	240,000,000	372,645
50,000,000	381,936	250,000,000	337,454
60,000,000	409,468	260,000,000	293,980
70,000,000	432,425	270,000,000	237,720
80,000,000	451,504	275,000,000	201,572
90,000,000	467,182	280,000,000	155,358
100,000,000	479,792	286,997,543	4158

Notes: (1) These estimates are calculations using the Other Persons 0+  $a$  and  $b$  parameters from Table 4.  
(2) To calculate the standard for another domain multiply the standard error from this table by the appropriate  $f$  factor from Table 4.

**Table 8. Base Standard Errors for Percentages of Households or Families**

<b>Base of Estimated Percentages</b>	<b>Estimated Percentages</b>					
	<b>≤ 1 or ≥ 99</b>	<b>2 or 98</b>	<b>5 or 95</b>	<b>10 or 90</b>	<b>25 or 75</b>	<b>50</b>
200,000	1.25%	1.76%	2.74%	3.77%	5.44%	6.28%
300,000	1.02%	1.44%	2.23%	3.08%	4.44%	5.13%
500,000	0.79%	1.11%	1.73%	2.38%	3.44%	3.97%
750,000	0.65%	0.91%	1.41%	1.95%	2.81%	3.24%
1,000,000	0.56%	0.79%	1.22%	1.68%	2.43%	2.81%
2,000,000	0.40%	0.56%	0.87%	1.19%	1.72%	1.99%
3,000,000	0.32%	0.45%	0.71%	0.97%	1.40%	1.62%
5,000,000	0.25%	0.35%	0.55%	0.75%	1.09%	1.26%
7,500,000	0.20%	0.29%	0.45%	0.62%	0.89%	1.03%
10,000,000	0.18%	0.25%	0.39%	0.53%	0.77%	0.89%
15,000,000	0.14%	0.20%	0.32%	0.43%	0.63%	0.72%
25,000,000	0.11%	0.16%	0.24%	0.34%	0.49%	0.56%
30,000,000	0.10%	0.14%	0.22%	0.31%	0.44%	0.51%
40,000,000	0.09%	0.12%	0.19%	0.27%	0.38%	0.44%
50,000,000	0.08%	0.11%	0.17%	0.24%	0.34%	0.40%
60,000,000	0.07%	0.10%	0.16%	0.22%	0.31%	0.36%
70,000,000	0.07%	0.09%	0.15%	0.20%	0.29%	0.34%
80,000,000	0.06%	0.09%	0.14%	0.19%	0.27%	0.31%
90,000,000	0.06%	0.08%	0.13%	0.18%	0.26%	0.30%
105,000,000	0.05%	0.08%	0.12%	0.16%	0.24%	0.27%
110,000,000	0.05%	0.07%	0.12%	0.16%	0.23%	0.27%
112,236,860	0.05%	0.07%	0.12%	0.16%	0.23%	0.27%

Note: These estimates are calculations using the Households Total (or White)  $b$  parameter from Table 4.

**Table 9. Base Standard Errors for Percentages of Persons**

Base of Estimated Percentages	Estimated Percentages				
	≤ 1 or ≥ 99	2 or 98	5 or 95	10 or 90	25 or 75
200,000	1.32%	1.86%	2.90%	3.99%	5.76%
300,000	1.08%	1.52%	2.37%	3.26%	4.70%
500,000	0.84%	1.18%	1.83%	2.52%	3.64%
750,000	0.68%	0.96%	1.50%	2.06%	2.97%
1,000,000	0.59%	0.83%	1.30%	1.78%	2.57%
2,000,000	0.42%	0.59%	0.92%	1.26%	1.82%
3,000,000	0.34%	0.48%	0.75%	1.03%	1.49%
5,000,000	0.26%	0.37%	0.58%	0.80%	1.15%
7,500,000	0.22%	0.30%	0.47%	0.65%	0.94%
10,000,000	0.19%	0.26%	0.41%	0.56%	0.81%
15,000,000	0.15%	0.21%	0.33%	0.46%	0.66%
25,000,000	0.12%	0.17%	0.26%	0.36%	0.51%
30,000,000	0.11%	0.15%	0.24%	0.33%	0.47%
40,000,000	0.09%	0.13%	0.20%	0.28%	0.41%
50,000,000	0.08%	0.12%	0.18%	0.25%	0.36%
60,000,000	0.08%	0.11%	0.17%	0.23%	0.33%
70,000,000	0.07%	0.10%	0.15%	0.21%	0.31%
100,000,000	0.06%	0.08%	0.13%	0.18%	0.26%
110,000,000	0.06%	0.08%	0.12%	0.17%	0.25%
120,000,000	0.05%	0.08%	0.12%	0.16%	0.23%
130,000,000	0.05%	0.07%	0.11%	0.16%	0.23%
140,000,000	0.05%	0.07%	0.11%	0.15%	0.22%
150,000,000	0.05%	0.07%	0.10%	0.15%	0.21%
160,000,000	0.05%	0.07%	0.10%	0.14%	0.20%
170,000,000	0.05%	0.06%	0.10%	0.14%	0.20%
180,000,000	0.04%	0.06%	0.10%	0.13%	0.19%
190,000,000	0.04%	0.06%	0.09%	0.13%	0.19%
200,000,000	0.04%	0.06%	0.09%	0.13%	0.18%
210,000,000	0.04%	0.06%	0.09%	0.12%	0.18%
220,000,000	0.04%	0.06%	0.09%	0.12%	0.17%
230,000,000	0.04%	0.05%	0.09%	0.12%	0.17%
240,000,000	0.04%	0.05%	0.08%	0.12%	0.17%
250,000,000	0.04%	0.05%	0.08%	0.11%	0.16%
280,000,000	0.04%	0.05%	0.08%	0.11%	0.15%
286,997,543	0.03%	0.05%	0.08%	0.11%	0.15%
					0.18%

- Notes: (1) These estimates are calculations using the Other Persons  $0+a$  and  $b$  parameter from Table 4.  
(2) To calculate the standard for another domain multiply the standard error from this table by the appropriate  $f$  factor from Table 4.

**Table 10. Distribution of Monthly Cash Income Among People 25 to 34 Years Old**  
 (Not Actual Data, Only Use for Calculation Illustrations)

	Interval of Monthly Cash Income												
	Under \$300	\$300 to \$599	\$600 to \$899	\$900 to \$1,199	\$1,200 to \$1,499	\$1,500 to \$1,999	\$2,000 to \$2,499	\$2,500 to \$2,999	\$3,000 to \$3,499	\$3,500 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 and Over
Number of People in Each Interval (in thousands)	1,371	1,651	2,259	2,734	3,452	6,278	5,799	4,730	3,723	2,519	2,619	1,223	1,493
Cumulative Number of People with at Least as Much as Lower Bound of Each Interval (in thousands)	39,851 (Total People)	38,480	36,829	34,570	31,836	28,384	22,106	16,307	11,577	7,854	5,335	2,716	1,493
Percent of People with at Least as Much as Lower Bound of Each Interval	100	96.6	92.4	86.7	79.9	71.2	55.5	40.9	29.1	19.7	13.4	6.8	3.7

## WAVE 4 TOPICAL MODULE FREQUENCIES

SROTATON	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	24168	24.64	24168	24.64
2	24319	24.79	48487	49.43
3	25329	25.82	73816	75.25
4	24282	24.75	98098	100.00
<hr/>				
TFIPSST	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	1708	1.74	1708	1.74
2	162	0.17	1870	1.91
4	2235	2.28	4105	4.18
5	865	0.88	4970	5.07
6	7845	8.00	12815	13.06
8	2497	2.55	15312	15.61
9	1852	1.89	17164	17.50
10	243	0.25	17407	17.74
11	138	0.14	17545	17.89
12	4094	4.17	21639	22.06
13	2770	2.82	24409	24.88
15	299	0.30	24708	25.19
16	452	0.46	25160	25.65
17	3079	3.14	28239	28.79
18	3507	3.57	31746	32.36
19	1780	1.81	33526	34.18
20	1461	1.49	34987	35.67
21	2355	2.40	37342	38.07
22	1526	1.56	38868	39.62
23	382	0.39	39250	40.01
24	2578	2.63	41828	42.64
25	2613	2.66	44441	45.30
26	2790	2.84	47231	48.15
27	2894	2.95	50125	51.10
28	1411	1.44	51536	52.54
29	2734	2.79	54270	55.32
30	265	0.27	54535	55.59
31	509	0.52	55044	56.11
32	539	0.55	55583	56.66
33	332	0.34	55915	57.00
34	3023	3.08	58938	60.08
35	484	0.49	59422	60.57
36	4025	4.10	63447	64.68
37	2429	2.48	65876	67.15
38	175	0.18	66051	67.33
39	3020	3.08	69071	70.41
40	2089	2.13	71160	72.54

41	2013	2.05	73173	74.59
42	3047	3.11	76220	77.70
44	232	0.24	76452	77.93
45	2174	2.22	78626	80.15
46	213	0.22	78839	80.37
47	2462	2.51	81301	82.88
48	5086	5.18	86387	88.06
49	630	0.64	87017	88.70
50	148	0.15	87165	88.86
51	3853	3.93	91018	92.78
53	3205	3.27	94223	96.05
54	554	0.56	94777	96.61
55	3133	3.19	97910	99.81
56	188	0.19	98098	100.00

SHHADID	Frequency	Percent	Cumulative Frequency	Cumulative Percent
11	83421	85.04	83421	85.04
21	4285	4.37	87706	89.41
22	149	0.15	87855	89.56
23	17	0.02	87872	89.58
31	5168	5.27	93040	94.84
32	211	0.22	93251	95.06
33	26	0.03	93277	95.09
41	4646	4.74	97923	99.82
42	166	0.17	98089	99.99
43	9	0.01	98098	100.00

EOUTCOME	Frequency	Percent	Cumulative Frequency	Cumulative Percent
201	88728	90.45	88728	90.45
203	2749	2.80	91477	93.25
207	6468	6.59	97945	99.84
219	2	0.00	97947	99.85
248	1	0.00	97948	99.85
255	39	0.04	97987	99.89
262	6	0.01	97993	99.89
270	22	0.02	98015	99.92
271	83	0.08	98098	100.00

EENTAID	Frequency	Percent	Cumulative Frequency	Cumulative Percent
11	95381	97.23	95381	97.23
21	862	0.88	96243	98.11
22	61	0.06	96304	98.17
23	7	0.01	96311	98.18
31	935	0.95	97246	99.13
32	89	0.09	97335	99.22
33	10	0.01	97345	99.23
41	700	0.71	98045	99.95
42	50	0.05	98095	100.00
43	3	0.00	98098	100.00

EPPPNUM	Frequency	Percent	Cumulative Frequency	Cumulative Percent
101	36605	37.31	36605	37.31
102	26290	26.80	62895	64.11
103	14435	14.71	77330	78.83
104	8829	9.00	86159	87.83
105	3671	3.74	89830	91.57
106	1291	1.32	91121	92.89
107	461	0.47	91582	93.36
108	188	0.19	91770	93.55
109	81	0.08	91851	93.63
110	32	0.03	91883	93.66
111	20	0.02	91903	93.68
112	6	0.01	91909	93.69
113	3	0.00	91912	93.69
114	2	0.00	91914	93.70
115	2	0.00	91916	93.70
201	1476	1.50	93392	95.20
202	334	0.34	93726	95.54
203	120	0.12	93846	95.67
204	41	0.04	93887	95.71
205	14	0.01	93901	95.72
206	3	0.00	93904	95.72
207	2	0.00	93906	95.73
208	1	0.00	93907	95.73
209	1	0.00	93908	95.73
210	1	0.00	93909	95.73
301	1499	1.53	95408	97.26
302	330	0.34	95738	97.59
303	125	0.13	95863	97.72
304	69	0.07	95932	97.79
305	29	0.03	95961	97.82
306	11	0.01	95972	97.83
307	5	0.01	95977	97.84
308	2	0.00	95979	97.84
309	1	0.00	95980	97.84
401	1426	1.45	97406	99.29
402	371	0.38	97777	99.67
403	173	0.18	97950	99.85
404	88	0.09	98038	99.94
405	35	0.04	98073	99.97
406	14	0.01	98087	99.99
407	7	0.01	98094	100.00
408	3	0.00	98097	100.00
409	1	0.00	98098	100.00

EPOPSTAT	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	76421	77.90	76421	77.90
2	21677	22.10	98098	100.00

EPPINTVW	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	42934	43.77	42934	43.77
2	30815	31.41	73749	75.18
3	2672	2.72	76421	77.90
5	21677	22.10	98098	100.00

  

EPPMIS4	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	98098	100.00	98098	100.00

  

ESEX	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	47045	47.96	47045	47.96
2	51053	52.04	98098	100.00

  

ERACE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	78262	79.78	78262	79.78
2	12466	12.71	90728	92.49
3	3131	3.19	93859	95.68
4	4239	4.32	98098	100.00

  

EORIGIN	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	10608	10.81	10608	10.81
2	87490	89.19	98098	100.00

  

ERRP	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	26155	26.66	26155	26.66
2	12093	12.33	38248	38.99
3	19344	19.72	57592	58.71
4	31108	31.71	88700	90.42
5	2061	2.10	90761	92.52
6	868	0.88	91629	93.41
7	876	0.89	92505	94.30
8	1654	1.69	94159	95.98
9	95	0.10	94254	96.08
10	1809	1.84	96063	97.93
11	844	0.86	96907	98.79
12	216	0.22	97123	99.01
13	975	0.99	98098	100.00

TAGE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	1152	1.17	1152	1.17
1	1413	1.44	2565	2.61
2	1353	1.38	3918	3.99
3	1421	1.45	5339	5.44
4	1431	1.46	6770	6.90
5	1509	1.54	8279	8.44
6	1431	1.46	9710	9.90
7	1425	1.45	11135	11.35
8	1459	1.49	12594	12.84
9	1393	1.42	13987	14.26
10	1496	1.53	15483	15.78
11	1510	1.54	16993	17.32
12	1518	1.55	18511	18.87
13	1507	1.54	20018	20.41
14	1659	1.69	21677	22.10
15	1536	1.57	23213	23.66
16	1494	1.52	24707	25.19
17	1529	1.56	26236	26.74
18	1425	1.45	27661	28.20
19	1359	1.39	29020	29.58
20	1271	1.30	30291	30.88
21	1168	1.19	31459	32.07
22	1188	1.21	32647	33.28
23	1171	1.19	33818	34.47
24	1176	1.20	34994	35.67
25	1262	1.29	36256	36.96
26	1174	1.20	37430	38.16
27	1147	1.17	38577	39.32
28	1192	1.22	39769	40.54
29	1186	1.21	40955	41.75
30	1195	1.22	42150	42.97
31	1151	1.17	43301	44.14
32	1217	1.24	44518	45.38
33	1276	1.30	45794	46.68
34	1390	1.42	47184	48.10
35	1343	1.37	48527	49.47
36	1299	1.32	49826	50.79
37	1337	1.36	51163	52.15
38	1337	1.36	52500	53.52
39	1424	1.45	53924	54.97
40	1472	1.50	55396	56.47
41	1451	1.48	56847	57.95
42	1512	1.54	58359	59.49
43	1520	1.55	59879	61.04
44	1594	1.62	61473	62.66
45	1537	1.57	63010	64.23
46	1439	1.47	64449	65.70
47	1451	1.48	65900	67.18
48	1423	1.45	67323	68.63
49	1470	1.50	68793	70.13
50	1425	1.45	70218	71.58
51	1376	1.40	71594	72.98

52	1292	1.32	72886	74.30
53	1307	1.33	74193	75.63
54	1248	1.27	75441	76.90
55	1228	1.25	76669	78.16
56	1180	1.20	77849	79.36
57	1217	1.24	79066	80.60

TAGE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
58	1141	1.16	80207	81.76
59	844	0.86	81051	82.62
60	968	0.99	82019	83.61
61	952	0.97	82971	84.58
62	950	0.97	83921	85.55
63	855	0.87	84776	86.42
64	858	0.87	85634	87.29
65	779	0.79	86413	88.09
66	738	0.75	87151	88.84
67	717	0.73	87868	89.57
68	634	0.65	88502	90.22
69	673	0.69	89175	90.90
70	650	0.66	89825	91.57
71	613	0.62	90438	92.19
72	598	0.61	91036	92.80
73	583	0.59	91619	93.40
74	551	0.56	92170	93.96
75	556	0.57	92726	94.52
76	521	0.53	93247	95.05
77	568	0.58	93815	95.63
78	517	0.53	94332	96.16
79	444	0.45	94776	96.61
80	497	0.51	95273	97.12
81	379	0.39	95652	97.51
82	377	0.38	96029	97.89
83	357	0.36	96386	98.25
84	1404	1.43	97790	99.69
85	308	0.31	98098	100.00

EMS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	39602	40.37	39602	40.37
2	850	0.87	40452	41.24
3	5147	5.25	45599	46.48
4	8005	8.16	53604	54.64
5	1556	1.59	55160	56.23
6	42938	43.77	98098	100.00

EPNSPOUS	Frequency	Percent	Cumulative Frequency	Cumulative Percent
101	18754	19.12	18754	19.12
102	18606	18.97	37360	38.08
103	651	0.66	38011	38.75
104	253	0.26	38264	39.01
105	115	0.12	38379	39.12
106	65	0.07	38444	39.19
107	24	0.02	38468	39.21
108	7	0.01	38475	39.22
109	5	0.01	38480	39.23
110	4	0.00	38484	39.23
201	272	0.28	38756	39.51
202	72	0.07	38828	39.58
203	5	0.01	38833	39.59
204	2	0.00	38835	39.59
301	272	0.28	39107	39.87
302	97	0.10	39204	39.96
303	7	0.01	39211	39.97
304	4	0.00	39215	39.98
305	5	0.01	39220	39.98
306	2	0.00	39222	39.98
401	242	0.25	39464	40.23
402	112	0.11	39576	40.34
403	15	0.02	39591	40.36
404	8	0.01	39599	40.37
405	1	0.00	39600	40.37
406	1	0.00	39601	40.37
407	1	0.00	39602	40.37
9999	58496	59.63	98098	100.00

EPNMOM	Frequency	Percent	Cumulative Frequency	Cumulative Percent
101	18846	19.21	18846	19.21
102	10867	11.08	29713	30.29
103	978	1.00	30691	31.29
104	334	0.34	31025	31.63
105	190	0.19	31215	31.82
106	94	0.10	31309	31.92
107	36	0.04	31345	31.95
108	18	0.02	31363	31.97
109	9	0.01	31372	31.98
110	1	0.00	31373	31.98
201	257	0.26	31630	32.24
202	69	0.07	31699	32.31
203	10	0.01	31709	32.32
204	3	0.00	31712	32.33
301	248	0.25	31960	32.58
302	85	0.09	32045	32.67
303	14	0.01	32059	32.68
304	7	0.01	32066	32.69
305	2	0.00	32068	32.69

401	288	0.29	32356	32.98
402	109	0.11	32465	33.09
403	22	0.02	32487	33.12
404	7	0.01	32494	33.12
405	2	0.00	32496	33.13
406	1	0.00	32497	33.13
409	7	0.01	32504	33.13
9999	65594	66.87	98098	100.00

EPNDAD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
101	10664	10.87	10664	10.87
102	11999	12.23	22663	23.10
103	491	0.50	23154	23.60
104	242	0.25	23396	23.85
105	158	0.16	23554	24.01
106	78	0.08	23632	24.09
107	37	0.04	23669	24.13
108	5	0.01	23674	24.13
109	15	0.02	23689	24.15
110	2	0.00	23691	24.15
201	188	0.19	23879	24.34
202	41	0.04	23920	24.38
203	5	0.01	23925	24.39
204	2	0.00	23927	24.39
205	2	0.00	23929	24.39
301	192	0.20	24121	24.59
302	59	0.06	24180	24.65
303	6	0.01	24186	24.65
304	3	0.00	24189	24.66
305	5	0.01	24194	24.66
401	226	0.23	24420	24.89
402	71	0.07	24491	24.97
403	7	0.01	24498	24.97
404	7	0.01	24505	24.98
407	1	0.00	24506	24.98
408	6	0.01	24512	24.99
9999	73586	75.01	98098	100.00

EPNGUARD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	69218	70.56	69218	70.56
101	17263	17.60	86481	88.16
102	9251	9.43	95732	97.59
103	718	0.73	96450	98.32
104	236	0.24	96686	98.56
105	132	0.13	96818	98.70
106	58	0.06	96876	98.75
107	25	0.03	96901	98.78
108	14	0.01	96915	98.79
109	6	0.01	96921	98.80

110	1	0.00	96922	98.80
201	213	0.22	97135	99.02
202	42	0.04	97177	99.06
203	4	0.00	97181	99.07
204	2	0.00	97183	99.07
205	1	0.00	97184	99.07
301	190	0.19	97374	99.26
302	65	0.07	97439	99.33
303	13	0.01	97452	99.34
304	7	0.01	97459	99.35
305	5	0.01	97464	99.35
401	263	0.27	97727	99.62
402	77	0.08	97804	99.70
403	18	0.02	97822	99.72
404	6	0.01	97828	99.72
405	1	0.00	97829	99.73
406	1	0.00	97830	99.73
409	7	0.01	97837	99.73
9999	261	0.27	98098	100.00

RDESGPNT	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	21677	22.10	21677	22.10
1	27640	28.18	49317	50.27
2	48781	49.73	98098	100.00

EEDUCATE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	21677	22.10	21677	22.10
31	224	0.23	21901	22.33
32	502	0.51	22403	22.84
33	988	1.01	23391	23.84
34	2705	2.76	26096	26.60
35	2512	2.56	28608	29.16
36	2851	2.91	31459	32.07
37	2573	2.62	34032	34.69
38	596	0.61	34628	35.30
39	21934	22.36	56562	57.66
40	12790	13.04	69352	70.70
41	6414	6.54	75766	77.24
43	5577	5.69	81343	82.92
44	11006	11.22	92349	94.14
45	4128	4.21	96477	98.35
46	934	0.95	97411	99.30
47	687	0.70	98098	100.00

SINTHHID	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	319	0.33	319	0.33
11	83244	84.86	83563	85.18
21	4231	4.31	87794	89.50
22	147	0.15	87941	89.65
23	17	0.02	87958	89.66
31	5058	5.16	93016	94.82
32	198	0.20	93214	95.02
33	25	0.03	93239	95.05
41	4678	4.77	97917	99.82
42	172	0.18	98089	99.99
43	9	0.01	98098	100.00

EPWSUNV	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	21677	22.10	21677	22.10
1	76421	77.90	98098	100.00

EWSEMPCT	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	50860	51.85	50860	51.85
1	44948	45.82	95808	97.67
2	2147	2.19	97955	99.85
3	143	0.15	98098	100.00

AWSEMPCT	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	95546	97.40	95546	97.40
1	2552	2.60	98098	100.00

EWSENO1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	56074	57.16	56074	57.16
1	30716	31.31	86790	88.47
2	5596	5.70	92386	94.18
3	3373	3.44	95759	97.62
4	1422	1.45	97181	99.07
5	597	0.61	97778	99.67
6	207	0.21	97985	99.88
7	74	0.08	98059	99.96
8	30	0.03	98089	99.99
9	7	0.01	98096	100.00
10	1	0.00	98097	100.00
15	1	0.00	98098	100.00

EWSBNO1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	92945	94.75	92945	94.75
1	3654	3.72	96599	98.47
2	1247	1.27	97846	99.74
3	194	0.20	98040	99.94
4	47	0.05	98087	99.99
5	8	0.01	98095	100.00
6	1	0.00	98096	100.00
7	2	0.00	98098	100.00

EWSENO2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	95690	97.55	95690	97.55
1	129	0.13	95819	97.68
2	1310	1.34	97129	99.01
3	400	0.41	97529	99.42
4	292	0.30	97821	99.72
5	157	0.16	97978	99.88
6	70	0.07	98048	99.95
7	31	0.03	98079	99.98
8	14	0.01	98093	99.99
9	3	0.00	98096	100.00
10	1	0.00	98097	100.00
16	1	0.00	98098	100.00

EWSBNO2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	96696	98.57	96696	98.57
1	839	0.86	97535	99.43
2	413	0.42	97948	99.85
3	74	0.08	98022	99.92
4	47	0.05	98069	99.97
5	22	0.02	98091	99.99
6	5	0.01	98096	100.00
7	1	0.00	98097	100.00
8	1	0.00	98098	100.00

EWSHRS1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	50860	51.85	50860	51.85
1	603	0.61	51463	52.46
2	725	0.74	52188	53.20
3	808	0.82	52996	54.02
4	1873	1.91	54869	55.93
5	2135	2.18	57004	58.11
6	2421	2.47	59425	60.58
7	2619	2.67	62044	63.25

8	24284	24.75	86328	88.00
9	3482	3.55	89810	91.55
10	4762	4.85	94572	96.41
11	673	0.69	95245	97.09
12	1892	1.93	97137	99.02
13	136	0.14	97273	99.16
14	139	0.14	97412	99.30
15	126	0.13	97538	99.43
16	117	0.12	97655	99.55
17	8	0.01	97663	99.56
18	26	0.03	97689	99.58
19	12	0.01	97701	99.60
20	238	0.24	97939	99.84
21	7	0.01	97946	99.85
22	9	0.01	97955	99.85
23	7	0.01	97962	99.86
24	136	0.14	98098	100.00

AWSHRS1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	92941	94.74	92941	94.74
1	4936	5.03	97877	99.77
3	221	0.23	98098	100.00

EWSDYS1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	50860	51.85	50860	51.85
1	1137	1.16	51997	53.01
2	1475	1.50	53472	54.51
3	2520	2.57	55992	57.08
4	3503	3.57	59495	60.65
5	33779	34.43	93274	95.08
6	3354	3.42	96628	98.50
7	1470	1.50	98098	100.00

AWSDYS1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	93561	95.38	93561	95.38
1	4537	4.62	98098	100.00

EWSDAY11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	50860	51.85	50860	51.85
0	40351	41.13	91211	92.98
1	6887	7.02	98098	100.00

AWSDAY11	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	91641	93.42	91641	93.42
1	4987	5.08	96628	98.50
2	1470	1.50	98098	100.00

EWSDAY12	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	50860	51.85	50860	51.85
0	4979	5.08	55839	56.92
1	42259	43.08	98098	100.00

AWSDAY12	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	91641	93.42	91641	93.42
1	4987	5.08	96628	98.50
2	1470	1.50	98098	100.00

EWSDAY13	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	50860	51.85	50860	51.85
0	4544	4.63	55404	56.48
1	42694	43.52	98098	100.00

AWSDAY13	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	91641	93.42	91641	93.42
1	4987	5.08	96628	98.50
2	1470	1.50	98098	100.00

EWSDAY14	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	50860	51.85	50860	51.85
0	4421	4.51	55281	56.35
1	42817	43.65	98098	100.00

AWSDAY14	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	91641	93.42	91641	93.42
1	4987	5.08	96628	98.50
2	1470	1.50	98098	100.00

			Cumulative Frequency	Cumulative Percent
EWSDAY15	Frequency	Percent		
-1	50860	51.85	50860	51.85
0	4684	4.77	55544	56.62
1	42554	43.38	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
AWSDAY15	Frequency	Percent		
0	91641	93.42	91641	93.42
1	4987	5.08	96628	98.50
2	1470	1.50	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
EWSDAY16	Frequency	Percent		
-1	50860	51.85	50860	51.85
0	5566	5.67	56426	57.52
1	41672	42.48	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
AWSDAY16	Frequency	Percent		
0	91641	93.42	91641	93.42
1	4987	5.08	96628	98.50
2	1470	1.50	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
EWSDAY17	Frequency	Percent		
-1	50860	51.85	50860	51.85
0	36657	37.37	87517	89.21
1	10581	10.79	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
AWSDAY17	Frequency	Percent		
0	91641	93.42	91641	93.42
1	4987	5.08	96628	98.50
2	1470	1.50	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
AWSBEG1	Frequency	Percent		
0	91264	93.03	91264	93.03
1	6834	6.97	98098	100.00

EWSBEGM1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	50860	51.85	50860	51.85
1	40100	40.88	90960	92.72
2	6506	6.63	97466	99.36
3	489	0.50	97955	99.85
4	143	0.15	98098	100.00

AWSBEGM1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	91264	93.03	91264	93.03
1	6834	6.97	98098	100.00

AWSEND1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	91133	92.90	91133	92.90
1	6965	7.10	98098	100.00

EWSENDM1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	50860	51.85	50860	51.85
1	2791	2.85	53651	54.69
2	43303	44.14	96954	98.83
3	628	0.64	97582	99.47
4	516	0.53	98098	100.00

AWSENDM1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	91133	92.90	91133	92.90
1	6965	7.10	98098	100.00

EWSHMWK1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	50860	51.85	50860	51.85
1	3643	3.71	54503	55.56
2	43595	44.44	98098	100.00

AWSHMWK1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	94259	96.09	94259	96.09
1	3839	3.91	98098	100.00

			Cumulative Frequency	Cumulative Percent
EWSDY11	Frequency	Percent		
-1	94455	96.29	94455	96.29
0	3008	3.07	97463	99.35
1	635	0.65	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
AWSDY11	Frequency	Percent		
0	97572	99.46	97572	99.46
1	526	0.54	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
EWSDY12	Frequency	Percent		
-1	94455	96.29	94455	96.29
0	783	0.80	95238	97.08
1	2860	2.92	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
AWSFY12	Frequency	Percent		
0	97569	99.46	97569	99.46
1	529	0.54	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
EWSDY13	Frequency	Percent		
-1	94455	96.29	94455	96.29
0	899	0.92	95354	97.20
1	2744	2.80	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
AWSFY13	Frequency	Percent		
0	97556	99.45	97556	99.45
1	542	0.55	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
EWSDY14	Frequency	Percent		
-1	94455	96.29	94455	96.29
0	900	0.92	95355	97.20
1	2743	2.80	98098	100.00

AWSDY14	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97552	99.44	97552	99.44
1	546	0.56	98098	100.00

EWSDY15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	94455	96.29	94455	96.29
0	952	0.97	95407	97.26
1	2691	2.74	98098	100.00

AWSDY15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97560	99.45	97560	99.45
1	538	0.55	98098	100.00

EWSDY16	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	94455	96.29	94455	96.29
0	949	0.97	95404	97.25
1	2694	2.75	98098	100.00

AWSDY16	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97558	99.45	97558	99.45
1	540	0.55	98098	100.00

EWSDY17	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	94455	96.29	94455	96.29
0	2694	2.75	97149	99.03
1	949	0.97	98098	100.00

AWSDY17	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97576	99.47	97576	99.47
1	522	0.53	98098	100.00

EWSJOB1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	50860	51.85	50860	51.85
1	33925	34.58	84785	86.43
2	2847	2.90	87632	89.33
3	1470	1.50	89102	90.83
4	1294	1.32	90396	92.15
5	366	0.37	90762	92.52
6	6203	6.32	96965	98.85
7	1133	1.15	98098	100.00

AWSJOB1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	94209	96.04	94209	96.04
1	3889	3.96	98098	100.00

EWSMNR1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	50860	51.85	50860	51.85
1	1588	1.62	52448	53.46
2	714	0.73	53162	54.19
3	1012	1.03	54174	55.22
4	1662	1.69	55836	56.92
5	4711	4.80	60547	61.72
6	552	0.56	61099	62.28
7	36191	36.89	97290	99.18
8	808	0.82	98098	100.00

AWSMNR1	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	94083	95.91	94083	95.91
1	4015	4.09	98098	100.00

EWSHRS2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	94508	96.34	94508	96.34
1	472	0.48	94980	96.82
2	394	0.40	95374	97.22
3	311	0.32	95685	97.54
4	419	0.43	96104	97.97
5	375	0.38	96479	98.35
6	256	0.26	96735	98.61
7	150	0.15	96885	98.76
8	728	0.74	97613	99.51
9	79	0.08	97692	99.59
10	194	0.20	97886	99.78

11	6	0.01	97892	99.79
12	74	0.08	97966	99.87
13	3	0.00	97969	99.87
14	7	0.01	97976	99.88
15	23	0.02	97999	99.90
16	12	0.01	98011	99.91
17	2	0.00	98013	99.91
18	5	0.01	98018	99.92
20	50	0.05	98068	99.97
21	5	0.01	98073	99.97
22	3	0.00	98076	99.98
24	22	0.02	98098	100.00

AWSHRS2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97483	99.37	97483	99.37
1	561	0.57	98044	99.94
3	54	0.06	98098	100.00

EWSDYS2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	94508	96.34	94508	96.34
1	795	0.81	95303	97.15
2	569	0.58	95872	97.73
3	418	0.43	96290	98.16
4	256	0.26	96546	98.42
5	1158	1.18	97704	99.60
6	157	0.16	97861	99.76
7	237	0.24	98098	100.00

AWSDYS2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97578	99.47	97578	99.47
1	520	0.53	98098	100.00

EWSDAY21	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	94508	96.34	94508	96.34
0	2636	2.69	97144	99.03
1	954	0.97	98098	100.00

AWSDAY21	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97285	99.17	97285	99.17
1	576	0.59	97861	99.76
2	237	0.24	98098	100.00

EWSDAY22	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	94508	96.34	94508	96.34
0	1385	1.41	95893	97.75
1	2205	2.25	98098	100.00

AWSDAY22	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97285	99.17	97285	99.17
1	576	0.59	97861	99.76
2	237	0.24	98098	100.00

EWSDAY23	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	94508	96.34	94508	96.34
0	1410	1.44	95918	97.78
1	2180	2.22	98098	100.00

AWSDAY23	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97285	99.17	97285	99.17
1	576	0.59	97861	99.76
2	237	0.24	98098	100.00

EWSDAY24	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	94508	96.34	94508	96.34
0	1399	1.43	95907	97.77
1	2191	2.23	98098	100.00

AWSDAY24	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97285	99.17	97285	99.17
1	576	0.59	97861	99.76
2	237	0.24	98098	100.00

EWSDAY25	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	94508	96.34	94508	96.34
0	1440	1.47	95948	97.81
1	2150	2.19	98098	100.00

AWSDAY25	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97285	99.17	97285	99.17
1	576	0.59	97861	99.76
2	237	0.24	98098	100.00

EWSDAY26	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	94508	96.34	94508	96.34
0	1426	1.45	95934	97.79
1	2164	2.21	98098	100.00

AWSDAY26	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97285	99.17	97285	99.17
1	576	0.59	97861	99.76
2	237	0.24	98098	100.00

EWSDAY27	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	94508	96.34	94508	96.34
0	2160	2.20	96668	98.54
1	1430	1.46	98098	100.00

AWSDAY27	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97285	99.17	97285	99.17
1	576	0.59	97861	99.76
2	237	0.24	98098	100.00

AWSBEG2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97293	99.18	97293	99.18
1	805	0.82	98098	100.00

EWSBEGM2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	94508	96.34	94508	96.34
1	1975	2.01	96483	98.35
2	1516	1.55	97999	99.90
3	87	0.09	98086	99.99
4	12	0.01	98098	100.00

AWSBEGM2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97293	99.18	97293	99.18
1	805	0.82	98098	100.00
AWSEND2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97286	99.17	97286	99.17
1	812	0.83	98098	100.00
EWSENDM2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	94509	96.34	94509	96.34
1	414	0.42	94923	96.76
2	3005	3.06	97928	99.83
3	110	0.11	98038	99.94
4	60	0.06	98098	100.00
AWSENDM2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97286	99.17	97286	99.17
1	812	0.83	98098	100.00
EWSHMK2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	94508	96.34	94508	96.34
1	763	0.78	95271	97.12
2	2827	2.88	98098	100.00
AWSHMK2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97782	99.68	97782	99.68
1	316	0.32	98098	100.00
EWSDY21	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97335	99.22	97335	99.22
0	537	0.55	97872	99.77
1	226	0.23	98098	100.00

AWSDY21	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97956	99.86	97956	99.86
1	142	0.14	98098	100.00
EWSDY22	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97335	99.22	97335	99.22
0	294	0.30	97629	99.52
1	469	0.48	98098	100.00
AWSDY22	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97962	99.86	97962	99.86
1	136	0.14	98098	100.00
EWSDY23	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97335	99.22	97335	99.22
0	315	0.32	97650	99.54
1	448	0.46	98098	100.00
AWSDY23	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97959	99.86	97959	99.86
1	139	0.14	98098	100.00
EWSDY24	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97335	99.22	97335	99.22
0	301	0.31	97636	99.53
1	462	0.47	98098	100.00
AWSDY24	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97959	99.86	97959	99.86
1	139	0.14	98098	100.00

			Cumulative Frequency	Cumulative Percent
EWSDY25	Frequency	Percent		
-1	97335	99.22	97335	99.22
0	335	0.34	97670	99.56
1	428	0.44	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
AWSDY25	Frequency	Percent		
0	97958	99.86	97958	99.86
1	140	0.14	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
EWSDY26	Frequency	Percent		
-1	97335	99.22	97335	99.22
0	322	0.33	97657	99.55
1	441	0.45	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
AWSGY26	Frequency	Percent		
0	97957	99.86	97957	99.86
1	141	0.14	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
EWSGY27	Frequency	Percent		
-1	97335	99.22	97335	99.22
0	441	0.45	97776	99.67
1	322	0.33	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
AWSGY27	Frequency	Percent		
0	97956	99.86	97956	99.86
1	142	0.14	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
EWSJOB2	Frequency	Percent		
-1	94508	96.34	94508	96.34
1	1324	1.35	95832	97.69
2	494	0.50	96326	98.19
3	146	0.15	96472	98.34
4	84	0.09	96556	98.43
5	36	0.04	96592	98.46
6	1199	1.22	97791	99.69
7	307	0.31	98098	100.00

AWSJOB2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97780	99.68	97780	99.68
1	318	0.32	98098	100.00

EWSMNR2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	94508	96.34	94508	96.34
1	88	0.09	94596	96.43
2	52	0.05	94648	96.48
3	85	0.09	94733	96.57
4	103	0.10	94836	96.67
5	690	0.70	95526	97.38
6	40	0.04	95566	97.42
7	2367	2.41	97933	99.83
8	165	0.17	98098	100.00

AWSMNR2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97770	99.67	97770	99.67
1	328	0.33	98098	100.00

ECCUNV	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	85832	87.50	85832	87.50
1	12266	12.50	98098	100.00

EHRWKSCH	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-6	77	0.08	77	0.08
-5	66	0.07	143	0.15
-1	85832	87.50	85975	87.64
0	11154	11.37	97129	99.01
2	7	0.01	97136	99.02
3	32	0.03	97168	99.05
4	46	0.05	97214	99.10
5	18	0.02	97232	99.12
6	66	0.07	97298	99.18
7	19	0.02	97317	99.20
8	40	0.04	97357	99.24
9	40	0.04	97397	99.29
10	60	0.06	97457	99.35
12	93	0.09	97550	99.44
13	4	0.00	97554	99.45
14	21	0.02	97575	99.47
15	87	0.09	97662	99.56

16	33	0.03	97695	99.59
18	6	0.01	97701	99.60
20	107	0.11	97808	99.70
22	1	0.00	97809	99.71
23	1	0.00	97810	99.71
24	8	0.01	97818	99.71
25	42	0.04	97860	99.76
27	5	0.01	97865	99.76
30	67	0.07	97932	99.83
32	15	0.02	97947	99.85
33	5	0.01	97952	99.85
35	54	0.06	98006	99.91
36	5	0.01	98011	99.91
37	2	0.00	98013	99.91
39	1	0.00	98014	99.91
40	58	0.06	98072	99.97
42	1	0.00	98073	99.97
45	4	0.00	98077	99.98
48	4	0.00	98081	99.98
50	6	0.01	98087	99.99
54	5	0.01	98092	99.99
56	3	0.00	98095	100.00
60	3	0.00	98098	100.00

AHRWKSCH	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97327	99.21	97327	99.21
1	771	0.79	98098	100.00

RRHRSWK	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	85832	87.50	85832	87.50
0	3553	3.62	89385	91.12
1	11	0.01	89396	91.13
2	21	0.02	89417	91.15
3	22	0.02	89439	91.17
4	30	0.03	89469	91.20
5	33	0.03	89502	91.24
6	31	0.03	89533	91.27
7	17	0.02	89550	91.29
8	54	0.06	89604	91.34
9	22	0.02	89626	91.36
10	95	0.10	89721	91.46
11	5	0.01	89726	91.47
12	66	0.07	89792	91.53
13	9	0.01	89801	91.54
14	18	0.02	89819	91.56
15	133	0.14	89952	91.70
16	69	0.07	90021	91.77
17	8	0.01	90029	91.77
18	30	0.03	90059	91.81

19	8	0.01	90067	91.81
20	345	0.35	90412	92.16
21	21	0.02	90433	92.19
22	20	0.02	90453	92.21
23	16	0.02	90469	92.22
24	99	0.10	90568	92.32
25	202	0.21	90770	92.53
26	19	0.02	90789	92.55
27	29	0.03	90818	92.58
28	50	0.05	90868	92.63
29	17	0.02	90885	92.65
30	347	0.35	91232	93.00
31	6	0.01	91238	93.01
32	169	0.17	91407	93.18
33	31	0.03	91438	93.21
34	26	0.03	91464	93.24
35	365	0.37	91829	93.61
36	127	0.13	91956	93.74
37	65	0.07	92021	93.81
38	129	0.13	92150	93.94
39	26	0.03	92176	93.96
40	3933	4.01	96109	97.97
41	19	0.02	96128	97.99
42	57	0.06	96185	98.05
43	48	0.05	96233	98.10
44	49	0.05	96282	98.15
45	288	0.29	96570	98.44
46	50	0.05	96620	98.49
47	20	0.02	96640	98.51
48	59	0.06	96699	98.57
49	26	0.03	96725	98.60
50	291	0.30	97016	98.90
51	12	0.01	97028	98.91
52	53	0.05	97081	98.96
53	13	0.01	97094	98.98
54	13	0.01	97107	98.99
55	147	0.15	97254	99.14
56	37	0.04	97291	99.18

RRHRSWK	Frequency	Percent	Cumulative Frequency	Cumulative Percent
57	9	0.01	97300	99.19
58	14	0.01	97314	99.20
59	2	0.00	97316	99.20
60	174	0.18	97490	99.38
61	7	0.01	97497	99.39
62	14	0.01	97511	99.40
63	10	0.01	97521	99.41
64	21	0.02	97542	99.43
65	90	0.09	97632	99.52
66	9	0.01	97641	99.53
67	7	0.01	97648	99.54
68	8	0.01	97656	99.55

69	3	0.00	97659	99.55
70	60	0.06	97719	99.61
71	4	0.00	97723	99.62
72	19	0.02	97742	99.64
73	9	0.01	97751	99.65
74	5	0.01	97756	99.65
75	50	0.05	97806	99.70
76	9	0.01	97815	99.71
77	6	0.01	97821	99.72
78	5	0.01	97826	99.72
79	4	0.00	97830	99.73
80	144	0.15	97974	99.87
81	1	0.00	97975	99.87
82	2	0.00	97977	99.88
83	1	0.00	97978	99.88
84	4	0.00	97982	99.88
85	22	0.02	98004	99.90
86	2	0.00	98006	99.91
87	1	0.00	98007	99.91
88	4	0.00	98011	99.91
89	2	0.00	98013	99.91
90	23	0.02	98036	99.94
91	2	0.00	98038	99.94
92	1	0.00	98039	99.94
93	3	0.00	98042	99.94
94	3	0.00	98045	99.95
95	5	0.01	98050	99.95
96	4	0.00	98054	99.96
97	1	0.00	98055	99.96
98	1	0.00	98056	99.96
99	42	0.04	98098	100.00

EHRWKJOB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-6	25	0.03	25	0.03
-5	60	0.06	85	0.09
-1	97817	99.71	97902	99.80
1	9	0.01	97911	99.81
2	13	0.01	97924	99.82
3	11	0.01	97935	99.83
4	13	0.01	97948	99.85
5	14	0.01	97962	99.86
6	6	0.01	97968	99.87
8	12	0.01	97980	99.88
9	5	0.01	97985	99.88
10	33	0.03	98018	99.92
12	7	0.01	98025	99.93
15	16	0.02	98041	99.94
16	2	0.00	98043	99.94
17	1	0.00	98044	99.94
20	29	0.03	98073	99.97
21	1	0.00	98074	99.98
24	1	0.00	98075	99.98

25	3	0.00	98078	99.98
30	10	0.01	98088	99.99
32	1	0.00	98089	99.99
35	1	0.00	98090	99.99
40	6	0.01	98096	100.00
80	1	0.00	98097	100.00
100	1	0.00	98098	100.00

AHRWKJOB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98091	99.99	98091	99.99
1	7	0.01	98098	100.00

ECCPNUMA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	92115	93.90	92115	93.90
102	314	0.32	92429	94.22
103	1384	1.41	93813	95.63
104	1521	1.55	95334	97.18
105	817	0.83	96151	98.02
106	372	0.38	96523	98.39
107	136	0.14	96659	98.53
108	54	0.06	96713	98.59
109	23	0.02	96736	98.61
110	10	0.01	96746	98.62
111	8	0.01	96754	98.63
112	1	0.00	96755	98.63
113	1	0.00	96756	98.63
115	2	0.00	96758	98.63
201	370	0.38	97128	99.01
202	46	0.05	97174	99.06
203	29	0.03	97203	99.09
204	10	0.01	97213	99.10
205	3	0.00	97216	99.10
206	2	0.00	97218	99.10
210	1	0.00	97219	99.10
301	429	0.44	97648	99.54
302	47	0.05	97695	99.59
303	16	0.02	97711	99.61
304	17	0.02	97728	99.62
305	7	0.01	97735	99.63
306	3	0.00	97738	99.63
307	3	0.00	97741	99.64
401	259	0.26	98000	99.90
402	40	0.04	98040	99.94
403	23	0.02	98063	99.96
404	18	0.02	98081	99.98
405	12	0.01	98093	99.99
406	1	0.00	98094	100.00
407	3	0.00	98097	100.00
408	1	0.00	98098	100.00

ECCPNUMB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	96385	98.25	96385	98.25
102	82	0.08	96467	98.34
103	717	0.73	97184	99.07
104	450	0.46	97634	99.53
105	197	0.20	97831	99.73
106	85	0.09	97916	99.81
107	34	0.03	97950	99.85
108	19	0.02	97969	99.87
109	15	0.02	97984	99.88
110	3	0.00	97987	99.89
111	3	0.00	97990	99.89
112	1	0.00	97991	99.89
114	1	0.00	97992	99.89
201	6	0.01	97998	99.90
202	19	0.02	98017	99.92
203	5	0.01	98022	99.92
204	2	0.00	98024	99.92
205	1	0.00	98025	99.93
209	1	0.00	98026	99.93
301	3	0.00	98029	99.93
302	12	0.01	98041	99.94
303	12	0.01	98053	99.95
304	3	0.00	98056	99.96
305	1	0.00	98057	99.96
306	1	0.00	98058	99.96
401	6	0.01	98064	99.97
402	16	0.02	98080	99.98
403	12	0.01	98092	99.99
404	4	0.00	98096	100.00
406	2	0.00	98098	100.00

ECCPNUMC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97840	99.74	97840	99.74
102	16	0.02	97856	99.75
103	112	0.11	97968	99.87
104	52	0.05	98020	99.92
105	34	0.03	98054	99.96
106	14	0.01	98068	99.97
107	13	0.01	98081	99.98
108	4	0.00	98085	99.99
109	1	0.00	98086	99.99
110	3	0.00	98089	99.99
201	2	0.00	98091	99.99
302	1	0.00	98092	99.99
402	3	0.00	98095	100.00
403	2	0.00	98097	100.00
405	1	0.00	98098	100.00

ECCPNUMD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98069	99.97	98069	99.97
102	1	0.00	98070	99.97
103	6	0.01	98076	99.98
104	9	0.01	98085	99.99
105	6	0.01	98091	99.99
106	1	0.00	98092	99.99
107	1	0.00	98093	99.99
109	1	0.00	98094	100.00
202	2	0.00	98096	100.00
301	1	0.00	98097	100.00
404	1	0.00	98098	100.00

ECCPNUME	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98094	100.00	98094	100.00
103	2	0.00	98096	100.00
104	2	0.00	98098	100.00

ECCAGEA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	92115	93.90	92115	93.90
0	1095	1.12	93210	95.02
1	1311	1.34	94521	96.35
2	1051	1.07	95572	97.43
3	976	0.99	96548	98.42
4	843	0.86	97391	99.28
5	707	0.72	98098	100.00

ECCAGEB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	96385	98.25	96385	98.25
0	24	0.02	96409	98.28
1	95	0.10	96504	98.38
2	283	0.29	96787	98.66
3	394	0.40	97181	99.07
4	482	0.49	97663	99.56
5	435	0.44	98098	100.00

ECCAGEC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97840	99.74	97840	99.74
1	5	0.01	97845	99.74
2	15	0.02	97860	99.76
3	46	0.05	97906	99.80
4	92	0.09	97998	99.90
5	100	0.10	98098	100.00

ECCAGED	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98069	99.97	98069	99.97
3	3	0.00	98072	99.97
4	13	0.01	98085	99.99
5	13	0.01	98098	100.00

  

ECCAGEE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98094	100.00	98094	100.00
5	4	0.00	98098	100.00

  

ECKD01A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	94201	96.03	94201	96.03
1	1004	1.02	95205	97.05
2	2893	2.95	98098	100.00

  

ECKD01B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97111	98.99	97111	98.99
1	297	0.30	97408	99.30
2	690	0.70	98098	100.00

  

ECKD01C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97988	99.89	97988	99.89
1	39	0.04	98027	99.93
2	71	0.07	98098	100.00

  

ECKD01D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98087	99.99	98087	99.99
1	2	0.00	98089	99.99
2	9	0.01	98098	100.00

  

ECKD01E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98096	100.00	98096	100.00
2	2	0.00	98098	100.00

			Cumulative Frequency	Cumulative Percent
ECKD02A	Frequency	Percent		
-1	94201	96.03	94201	96.03
1	259	0.26	94460	96.29
2	3638	3.71	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD02B	Frequency	Percent		
-1	97111	98.99	97111	98.99
1	67	0.07	97178	99.06
2	920	0.94	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD02C	Frequency	Percent		
-1	97988	99.89	97988	99.89
1	7	0.01	97995	99.90
2	103	0.10	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD02D	Frequency	Percent		
-1	98087	99.99	98087	99.99
2	11	0.01	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD02E	Frequency	Percent		
-1	98096	100.00	98096	100.00
2	2	0.00	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD03A	Frequency	Percent		
-1	92115	93.90	92115	93.90
1	149	0.15	92264	94.05
2	5834	5.95	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD03B	Frequency	Percent		
-1	96385	98.25	96385	98.25
1	29	0.03	96414	98.28
2	1684	1.72	98098	100.00

			Cumulative Frequency	Cumulative Percent
ECKD03C	Frequency	Percent		
-1	97840	99.74	97840	99.74
1	5	0.01	97845	99.74
2	253	0.26	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD03D	Frequency	Percent		
-1	98069	99.97	98069	99.97
2	29	0.03	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD03E	Frequency	Percent		
-1	98094	100.00	98094	100.00
2	4	0.00	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD04A	Frequency	Percent		
-1	92115	93.90	92115	93.90
1	48	0.05	92163	93.95
2	5935	6.05	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD04B	Frequency	Percent		
-1	96385	98.25	96385	98.25
1	9	0.01	96394	98.26
2	1704	1.74	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD04C	Frequency	Percent		
-1	97840	99.74	97840	99.74
1	2	0.00	97842	99.74
2	256	0.26	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD04D	Frequency	Percent		
-1	98069	99.97	98069	99.97
2	29	0.03	98098	100.00

			Cumulative Frequency	Cumulative Percent
ECKD04E	Frequency	Percent		
-1	98094	100.00	98094	100.00
2	4	0.00	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD05A	Frequency	Percent		
-1	92115	93.90	92115	93.90
1	1388	1.41	93503	95.32
2	4595	4.68	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD05B	Frequency	Percent		
-1	96385	98.25	96385	98.25
1	348	0.35	96733	98.61
2	1365	1.39	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD05C	Frequency	Percent		
-1	97840	99.74	97840	99.74
1	38	0.04	97878	99.78
2	220	0.22	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD05D	Frequency	Percent		
-1	98069	99.97	98069	99.97
1	4	0.00	98073	99.97
2	25	0.03	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD05E	Frequency	Percent		
-1	98094	100.00	98094	100.00
2	4	0.00	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD06A	Frequency	Percent		
-1	92115	93.90	92115	93.90
1	439	0.45	92554	94.35
2	5544	5.65	98098	100.00

ECKD06B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	96385	98.25	96385	98.25
1	116	0.12	96501	98.37
2	1597	1.63	98098	100.00

ECKD06C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97840	99.74	97840	99.74
1	9	0.01	97849	99.75
2	249	0.25	98098	100.00

ECKD06D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98069	99.97	98069	99.97
2	29	0.03	98098	100.00

ECKD06E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98094	100.00	98094	100.00
2	4	0.00	98098	100.00

ECKD07A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	92115	93.90	92115	93.90
1	334	0.34	92449	94.24
2	5649	5.76	98098	100.00

ECKD07B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	96385	98.25	96385	98.25
1	84	0.09	96469	98.34
2	1629	1.66	98098	100.00

ECKD07C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97840	99.74	97840	99.74
1	8	0.01	97848	99.75
2	250	0.25	98098	100.00

ECKD07D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98069	99.97	98069	99.97
2	29	0.03	98098	100.00
ECKD07E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98094	100.00	98094	100.00
2	4	0.00	98098	100.00
ECKD08A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	92115	93.90	92115	93.90
1	844	0.86	92959	94.76
2	5139	5.24	98098	100.00
ECKD08B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	96385	98.25	96385	98.25
1	186	0.19	96571	98.44
2	1527	1.56	98098	100.00
ECKD08C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97840	99.74	97840	99.74
1	16	0.02	97856	99.75
2	242	0.25	98098	100.00
ECKD08D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98069	99.97	98069	99.97
1	2	0.00	98071	99.97
2	27	0.03	98098	100.00
ECKD08E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98094	100.00	98094	100.00
1	1	0.00	98095	100.00
2	3	0.00	98098	100.00

ECKD09A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	92115	93.90	92115	93.90
1	366	0.37	92481	94.27
2	5617	5.73	98098	100.00

ECKD09B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	96385	98.25	96385	98.25
1	164	0.17	96549	98.42
2	1549	1.58	98098	100.00

ECKD09C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97840	99.74	97840	99.74
1	22	0.02	97862	99.76
2	236	0.24	98098	100.00

ECKD09D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98069	99.97	98069	99.97
1	2	0.00	98071	99.97
2	27	0.03	98098	100.00

ECKD09E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98094	100.00	98094	100.00
2	4	0.00	98098	100.00

ECKD10A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	92115	93.90	92115	93.90
1	64	0.07	92179	93.97
2	5919	6.03	98098	100.00

ECKD10B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	96385	98.25	96385	98.25
1	40	0.04	96425	98.29
2	1673	1.71	98098	100.00

			Cumulative Frequency	Cumulative Percent
ECKD10C	Frequency	Percent		
-1	97840	99.74	97840	99.74
1	3	0.00	97843	99.74
2	255	0.26	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD10D	Frequency	Percent		
-1	98069	99.97	98069	99.97
2	29	0.03	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD10E	Frequency	Percent		
-1	98094	100.00	98094	100.00
2	4	0.00	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD11A	Frequency	Percent		
-1	92115	93.90	92115	93.90
1	462	0.47	92577	94.37
2	5521	5.63	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD11B	Frequency	Percent		
-1	96385	98.25	96385	98.25
1	121	0.12	96506	98.38
2	1592	1.62	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD11C	Frequency	Percent		
-1	97840	99.74	97840	99.74
1	21	0.02	97861	99.76
2	237	0.24	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ECKD11D	Frequency	Percent		
-1	98069	99.97	98069	99.97
1	2	0.00	98071	99.97
2	27	0.03	98098	100.00

	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
ECKD11E				
-1	98094	100.00	98094	100.00
1	1	0.00	98095	100.00
2	3	0.00	98098	100.00
<hr/>				
ACCAREA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97835	99.73	97835	99.73
1	263	0.27	98098	100.00
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ACCAREB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98041	99.94	98041	99.94
1	57	0.06	98098	100.00
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ACCAREC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98092	99.99	98092	99.99
1	6	0.01	98098	100.00
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ACCARED	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98098	100.00	98098	100.00
<hr/>				
ACCAREE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98098	100.00	98098	100.00
<hr/>				
EWHEPARA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97094	98.98	97094	98.98
1	874	0.89	97968	99.87
2	104	0.11	98072	99.97
3	16	0.02	98088	99.99
4	10	0.01	98098	100.00
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AWHEPARA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98051	99.95	98051	99.95
1	47	0.05	98098	100.00

EWHEPARB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97801	99.70	97801	99.70
1	264	0.27	98065	99.97
2	22	0.02	98087	99.99
3	6	0.01	98093	99.99
4	5	0.01	98098	100.00

AWHEPARB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98088	99.99	98088	99.99
1	10	0.01	98098	100.00

EWHEPARC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98059	99.96	98059	99.96
1	38	0.04	98097	100.00
3	1	0.00	98098	100.00

AWHEPARC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98098	100.00	98098	100.00

EWHEPARD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98096	100.00	98096	100.00
1	2	0.00	98098	100.00

AWHEPARD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98098	100.00	98098	100.00

EWHEPARE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98098	100.00	98098	100.00

AWHEPARE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98098	100.00	98098	100.00

EPARHR1A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97094	98.98	97094	98.98
1	5	0.01	97099	98.98
2	23	0.02	97122	99.01
3	18	0.02	97140	99.02
4	30	0.03	97170	99.05
5	48	0.05	97218	99.10
6	36	0.04	97254	99.14
7	4	0.00	97258	99.14
8	70	0.07	97328	99.22
9	12	0.01	97340	99.23
10	83	0.08	97423	99.31
11	5	0.01	97428	99.32
12	29	0.03	97457	99.35
13	2	0.00	97459	99.35
14	10	0.01	97469	99.36
15	58	0.06	97527	99.42
16	31	0.03	97558	99.45
17	3	0.00	97561	99.45
18	11	0.01	97572	99.46
20	97	0.10	97669	99.56
22	1	0.00	97670	99.56
23	2	0.00	97672	99.57
24	47	0.05	97719	99.61
25	31	0.03	97750	99.65
28	3	0.00	97753	99.65
29	2	0.00	97755	99.65
30	46	0.05	97801	99.70
31	1	0.00	97802	99.70
32	11	0.01	97813	99.71
33	4	0.00	97817	99.71
34	6	0.01	97823	99.72
35	35	0.04	97858	99.76
36	5	0.01	97863	99.76
37	2	0.00	97865	99.76
38	5	0.01	97870	99.77
40	112	0.11	97982	99.88
42	3	0.00	97985	99.88
43	1	0.00	97986	99.89
44	1	0.00	97987	99.89
45	21	0.02	98008	99.91
48	14	0.01	98022	99.92
50	20	0.02	98042	99.94
51	1	0.00	98043	99.94
52	4	0.00	98047	99.95
55	4	0.00	98051	99.95
56	3	0.00	98054	99.96
60	4	0.00	98058	99.96
64	4	0.00	98062	99.96
70	3	0.00	98065	99.97
72	4	0.00	98069	99.97
74	1	0.00	98070	99.97
75	2	0.00	98072	99.97

80	5	0.01	98077	99.98
84	5	0.01	98082	99.98
85	1	0.00	98083	99.98
98	1	0.00	98084	99.99
99	1	0.00	98085	99.99
100	1	0.00	98086	99.99

EPARHR1A	Frequency	Percent	Cumulative	Cumulative
			Frequency	Percent
112	1	0.00	98087	99.99
120	5	0.01	98092	99.99
128	2	0.00	98094	100.00
160	1	0.00	98095	100.00
168	3	0.00	98098	100.00

  

APARHR1A	Frequency	Percent	Cumulative	Cumulative
			Frequency	Percent
0	97968	99.87	97968	99.87
1	130	0.13	98098	100.00

EPARHR1B	Frequency	Percent	Cumulative	Cumulative
			Frequency	Percent
-1	97801	99.70	97801	99.70
1	3	0.00	97804	99.70
2	11	0.01	97815	99.71
3	7	0.01	97822	99.72
4	4	0.00	97826	99.72
5	14	0.01	97840	99.74
6	15	0.02	97855	99.75
8	25	0.03	97880	99.78
9	1	0.00	97881	99.78
10	25	0.03	97906	99.80
11	2	0.00	97908	99.81
12	5	0.01	97913	99.81
15	14	0.01	97927	99.83
16	10	0.01	97937	99.84
18	2	0.00	97939	99.84
20	33	0.03	97972	99.87
23	1	0.00	97973	99.87
24	10	0.01	97983	99.88
25	9	0.01	97992	99.89
28	2	0.00	97994	99.89
30	19	0.02	98013	99.91
32	4	0.00	98017	99.92
35	15	0.02	98032	99.93
36	6	0.01	98038	99.94
37	1	0.00	98039	99.94
40	22	0.02	98061	99.96
42	1	0.00	98062	99.96

45	3	0.00	98065	99.97
48	5	0.01	98070	99.97
50	8	0.01	98078	99.98
52	1	0.00	98079	99.98
55	2	0.00	98081	99.98
56	2	0.00	98083	99.98
60	2	0.00	98085	99.99
64	2	0.00	98087	99.99
70	1	0.00	98088	99.99
72	2	0.00	98090	99.99
75	1	0.00	98091	99.99
84	1	0.00	98092	99.99
90	1	0.00	98093	99.99
120	2	0.00	98095	100.00
128	1	0.00	98096	100.00
168	2	0.00	98098	100.00

APARHR1B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98070	99.97	98070	99.97
1	28	0.03	98098	100.00

EPARHR1C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98059	99.96	98059	99.96
2	3	0.00	98062	99.96
3	1	0.00	98063	99.96
4	1	0.00	98064	99.97
6	3	0.00	98067	99.97
8	1	0.00	98068	99.97
10	4	0.00	98072	99.97
12	1	0.00	98073	99.97
15	2	0.00	98075	99.98
16	1	0.00	98076	99.98
20	8	0.01	98084	99.99
24	3	0.00	98087	99.99
25	1	0.00	98088	99.99
30	1	0.00	98089	99.99
36	1	0.00	98090	99.99
40	1	0.00	98091	99.99
42	1	0.00	98092	99.99
50	3	0.00	98095	100.00
60	2	0.00	98097	100.00
100	1	0.00	98098	100.00

APARHR1C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98094	100.00	98094	100.00
1	4	0.00	98098	100.00

EPARHR1D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98096	100.00	98096	100.00
2	1	0.00	98097	100.00
20	1	0.00	98098	100.00
APARHR1D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98098	100.00	98098	100.00
EPARHR1E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98098	100.00	98098	100.00
APARHR1E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98098	100.00	98098	100.00
EPARHR2A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97094	98.98	97094	98.98
0	62	0.06	97156	99.04
1	56	0.06	97212	99.10
2	24	0.02	97236	99.12
3	18	0.02	97254	99.14
4	34	0.03	97288	99.17
5	46	0.05	97334	99.22
6	44	0.04	97378	99.27
7	3	0.00	97381	99.27
8	77	0.08	97458	99.35
9	13	0.01	97471	99.36
10	74	0.08	97545	99.44
11	4	0.00	97549	99.44
12	27	0.03	97576	99.47
13	3	0.00	97579	99.47
14	7	0.01	97586	99.48
15	56	0.06	97642	99.54
16	40	0.04	97682	99.58
17	3	0.00	97685	99.58
18	9	0.01	97694	99.59
19	1	0.00	97695	99.59
20	85	0.09	97780	99.68
21	2	0.00	97782	99.68
22	3	0.00	97785	99.68
23	3	0.00	97788	99.68
24	42	0.04	97830	99.73

25	26	0.03	97856	99.75
28	2	0.00	97858	99.76
29	2	0.00	97860	99.76
30	36	0.04	97896	99.79
31	1	0.00	97897	99.80
32	10	0.01	97907	99.81
33	4	0.00	97911	99.81
34	3	0.00	97914	99.81
35	25	0.03	97939	99.84
36	9	0.01	97948	99.85
37	1	0.00	97949	99.85
38	5	0.01	97954	99.85
40	104	0.11	98058	99.96
42	3	0.00	98061	99.96
43	1	0.00	98062	99.96
44	1	0.00	98063	99.96
45	14	0.01	98077	99.98
48	3	0.00	98080	99.98
50	11	0.01	98091	99.99
51	1	0.00	98092	99.99
55	3	0.00	98095	100.00
60	1	0.00	98096	100.00
70	1	0.00	98097	100.00
76	1	0.00	98098	100.00

APARHR2A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	97926	99.82	97926	99.82
1	122	0.12	98048	99.95
3	50	0.05	98098	100.00

EPARHR2B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97801	99.70	97801	99.70
0	19	0.02	97820	99.72
1	22	0.02	97842	99.74
2	11	0.01	97853	99.75
3	5	0.01	97858	99.76
4	5	0.01	97863	99.76
5	12	0.01	97875	99.77
6	18	0.02	97893	99.79
7	2	0.00	97895	99.79
8	27	0.03	97922	99.82
9	1	0.00	97923	99.82
10	19	0.02	97942	99.84
11	1	0.00	97943	99.84
12	7	0.01	97950	99.85
14	1	0.00	97951	99.85
15	11	0.01	97962	99.86
16	17	0.02	97979	99.88
20	32	0.03	98011	99.91

22	2	0.00	98013	99.91
23	1	0.00	98014	99.91
24	8	0.01	98022	99.92
25	9	0.01	98031	99.93
30	10	0.01	98041	99.94
32	4	0.00	98045	99.95
35	15	0.02	98060	99.96
36	5	0.01	98065	99.97
40	22	0.02	98087	99.99
42	1	0.00	98088	99.99
45	4	0.00	98092	99.99
50	3	0.00	98095	100.00
55	2	0.00	98097	100.00
60	1	0.00	98098	100.00

APARHR2B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98052	99.95	98052	99.95
1	27	0.03	98079	99.98
3	19	0.02	98098	100.00

EPARHR2C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98059	99.96	98059	99.96
0	3	0.00	98062	99.96
1	4	0.00	98066	99.97
2	2	0.00	98068	99.97
4	1	0.00	98069	99.97
6	4	0.00	98073	99.97
8	3	0.00	98076	99.98
10	3	0.00	98079	99.98
12	1	0.00	98080	99.98
15	2	0.00	98082	99.98
16	1	0.00	98083	99.98
20	5	0.01	98088	99.99
22	1	0.00	98089	99.99
24	2	0.00	98091	99.99
25	1	0.00	98092	99.99
36	1	0.00	98093	99.99
40	2	0.00	98095	100.00
42	1	0.00	98096	100.00
50	1	0.00	98097	100.00
60	1	0.00	98098	100.00

APARHR2C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98091	99.99	98091	99.99
1	3	0.00	98094	100.00
3	4	0.00	98098	100.00

	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
-1	98096	100.00	98096	100.00
0	2	0.00	98098	100.00
<hr/>				
	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
0	98098	100.00	98098	100.00
<hr/>				
	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
-1	98098	100.00	98098	100.00
<hr/>				
	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
0	98098	100.00	98098	100.00
<hr/>				
	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
-1	97839	99.74	97839	99.74
1	169	0.17	98008	99.91
2	78	0.08	98086	99.99
3	12	0.01	98098	100.00
<hr/>				
	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
0	98088	99.99	98088	99.99
1	10	0.01	98098	100.00
<hr/>				
	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
-1	98031	99.93	98031	99.93
1	48	0.05	98079	99.98
2	17	0.02	98096	100.00
3	2	0.00	98098	100.00
<hr/>				
	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
0	98096	100.00	98096	100.00
1	2	0.00	98098	100.00

EWHSELF C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98091	99.99	98091	99.99
1	6	0.01	98097	100.00
2	1	0.00	98098	100.00
AWHSELF C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98098	100.00	98098	100.00
EWHSELF D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98098	100.00	98098	100.00
AWHSELF D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98098	100.00	98098	100.00
EWHSELF E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98098	100.00	98098	100.00
AWHSELF E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98098	100.00	98098	100.00
ESELFHRA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97839	99.74	97839	99.74
1	29	0.03	97868	99.77
2	13	0.01	97881	99.78
3	18	0.02	97899	99.80
4	12	0.01	97911	99.81
5	11	0.01	97922	99.82
6	8	0.01	97930	99.83
7	4	0.00	97934	99.83
8	14	0.01	97948	99.85
9	1	0.00	97949	99.85
10	18	0.02	97967	99.87
12	7	0.01	97974	99.87
13	2	0.00	97976	99.88
14	1	0.00	97977	99.88

15	13	0.01	97990	99.89
16	9	0.01	97999	99.90
17	1	0.00	98000	99.90
18	3	0.00	98003	99.90
20	18	0.02	98021	99.92
23	1	0.00	98022	99.92
24	6	0.01	98028	99.93
25	8	0.01	98036	99.94
28	2	0.00	98038	99.94
30	12	0.01	98050	99.95
32	1	0.00	98051	99.95
34	1	0.00	98052	99.95
35	9	0.01	98061	99.96
36	1	0.00	98062	99.96
37	1	0.00	98063	99.96
38	1	0.00	98064	99.97
39	2	0.00	98066	99.97
40	21	0.02	98087	99.99
45	2	0.00	98089	99.99
50	5	0.01	98094	100.00
55	1	0.00	98095	100.00
70	1	0.00	98096	100.00
80	1	0.00	98097	100.00
99	1	0.00	98098	100.00

ASELFHRA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98059	99.96	98059	99.96
1	22	0.02	98081	99.98
3	17	0.02	98098	100.00

ESELFHRB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98031	99.93	98031	99.93
1	9	0.01	98040	99.94
2	3	0.00	98043	99.94
3	5	0.01	98048	99.95
4	4	0.00	98052	99.95
5	4	0.00	98056	99.96
6	5	0.01	98061	99.96
8	5	0.01	98066	99.97
10	5	0.01	98071	99.97
12	4	0.00	98075	99.98
15	1	0.00	98076	99.98
16	2	0.00	98078	99.98
20	5	0.01	98083	99.98
24	1	0.00	98084	99.99
25	2	0.00	98086	99.99
30	6	0.01	98092	99.99
35	2	0.00	98094	100.00
40	2	0.00	98096	100.00
50	1	0.00	98097	100.00
85	1	0.00	98098	100.00

			Cumulative Frequency	Cumulative Percent
ASELFHRB	Frequency	Percent		
0	98091	99.99	98091	99.99
1	4	0.00	98095	100.00
3	3	0.00	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ESELFHRC	Frequency	Percent		
-1	98091	99.99	98091	99.99
1	1	0.00	98092	99.99
2	1	0.00	98093	99.99
4	1	0.00	98094	100.00
5	1	0.00	98095	100.00
8	1	0.00	98096	100.00
15	1	0.00	98097	100.00
30	1	0.00	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ASELFHRC	Frequency	Percent		
0	98098	100.00	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ESELFHRD	Frequency	Percent		
-1	98098	100.00	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ASELFHRD	Frequency	Percent		
0	98098	100.00	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ESELFHRE	Frequency	Percent		
-1	98098	100.00	98098	100.00

  

			Cumulative Frequency	Cumulative Percent
ASELFHRE	Frequency	Percent		
0	98098	100.00	98098	100.00

EWHSB15A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97949	99.85	97949	99.85
1	133	0.14	98082	99.98
2	12	0.01	98094	100.00
3	4	0.00	98098	100.00

AWHSB15A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98090	99.99	98090	99.99
1	8	0.01	98098	100.00

EWHSB15B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98069	99.97	98069	99.97
1	25	0.03	98094	100.00
2	3	0.00	98097	100.00
3	1	0.00	98098	100.00

AWHSB15B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98097	100.00	98097	100.00
1	1	0.00	98098	100.00

EWHSB15C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98093	99.99	98093	99.99
1	4	0.00	98097	100.00
2	1	0.00	98098	100.00

AWHSB15C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98098	100.00	98098	100.00

EWHSB15D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98098	100.00	98098	100.00

AWHSB15D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98098	100.00	98098	100.00

EWHSB15E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98098	100.00	98098	100.00
AWHSB15E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98098	100.00	98098	100.00
EWHSBHRA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97949	99.85	97949	99.85
1	13	0.01	97962	99.86
2	20	0.02	97982	99.88
3	3	0.00	97985	99.88
4	13	0.01	97998	99.90
5	23	0.02	98021	99.92
6	10	0.01	98031	99.93
7	1	0.00	98032	99.93
8	6	0.01	98038	99.94
9	1	0.00	98039	99.94
10	12	0.01	98051	99.95
15	8	0.01	98059	99.96
16	2	0.00	98061	99.96
19	1	0.00	98062	99.96
20	8	0.01	98070	99.97
24	3	0.00	98073	99.97
28	2	0.00	98075	99.98
30	4	0.00	98079	99.98
32	1	0.00	98080	99.98
35	5	0.01	98085	99.99
36	1	0.00	98086	99.99
40	8	0.01	98094	100.00
41	1	0.00	98095	100.00
50	1	0.00	98096	100.00
56	1	0.00	98097	100.00
78	1	0.00	98098	100.00
AWHSBHRA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98079	99.98	98079	99.98
1	19	0.02	98098	100.00

EWHSBHRB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98069	99.97	98069	99.97
1	3	0.00	98072	99.97
2	5	0.01	98077	99.98
4	3	0.00	98080	99.98
5	3	0.00	98083	99.98
6	1	0.00	98084	99.99
8	2	0.00	98086	99.99
10	1	0.00	98087	99.99
15	3	0.00	98090	99.99
16	1	0.00	98091	99.99
19	1	0.00	98092	99.99
20	2	0.00	98094	100.00
24	1	0.00	98095	100.00
40	3	0.00	98098	100.00

AWHSBHRB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98094	100.00	98094	100.00
1	4	0.00	98098	100.00

EWHSBHRC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98093	99.99	98093	99.99
1	1	0.00	98094	100.00
4	2	0.00	98096	100.00
5	1	0.00	98097	100.00
40	1	0.00	98098	100.00

AWHSBHRC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98097	100.00	98097	100.00
1	1	0.00	98098	100.00

EWHSBHRD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98098	100.00	98098	100.00

AWHSBHRD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98098	100.00	98098	100.00

EWHSBHRE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98098	100.00	98098	100.00
AWHSBHRE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98098	100.00	98098	100.00
EHRSB15A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	97989	99.89	97989	99.89
0	10	0.01	97999	99.90
1	12	0.01	98011	99.91
2	11	0.01	98022	99.92
3	2	0.00	98024	99.92
4	1	0.00	98025	99.93
5	13	0.01	98038	99.94
6	9	0.01	98047	99.95
7	1	0.00	98048	99.95
8	4	0.00	98052	99.95
9	1	0.00	98053	99.95
10	8	0.01	98061	99.96
15	7	0.01	98068	99.97
16	2	0.00	98070	99.97
19	1	0.00	98071	99.97
20	7	0.01	98078	99.98
24	1	0.00	98079	99.98
28	1	0.00	98080	99.98
30	1	0.00	98081	99.98
32	2	0.00	98083	99.98
35	4	0.00	98087	99.99
36	1	0.00	98088	99.99
40	7	0.01	98095	100.00
41	1	0.00	98096	100.00
50	1	0.00	98097	100.00
78	1	0.00	98098	100.00
AHRSB15A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98084	99.99	98084	99.99
1	11	0.01	98095	100.00
3	3	0.00	98098	100.00

EHRSB15B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98081	99.98	98081	99.98
0	2	0.00	98083	99.98
1	2	0.00	98085	99.99
2	2	0.00	98087	99.99
5	1	0.00	98088	99.99
6	1	0.00	98089	99.99
15	2	0.00	98091	99.99
16	1	0.00	98092	99.99
19	1	0.00	98093	99.99
20	2	0.00	98095	100.00
24	1	0.00	98096	100.00
40	2	0.00	98098	100.00

AHRSB15B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98093	99.99	98093	99.99
1	3	0.00	98096	100.00
3	2	0.00	98098	100.00

EHRSB15C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98097	100.00	98097	100.00
40	1	0.00	98098	100.00

AHRSB15C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98097	100.00	98097	100.00
1	1	0.00	98098	100.00

EHRSB15D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98098	100.00	98098	100.00

AHRSB15D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98098	100.00	98098	100.00

EHRSB15E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98098	100.00	98098	100.00

	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
AHRSB15E	98098	100.00	98098	100.00
<hr/>				
	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
EWHSB14A	98050	99.95	98050	99.95
-1	47	0.05	98097	100.00
1	1	0.00	98098	100.00
<hr/>				
	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
AWHSB14A	98095	100.00	98095	100.00
1	3	0.00	98098	100.00
<hr/>				
	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
EWHSB14B	98089	99.99	98089	99.99
-1	9	0.01	98098	100.00
<hr/>				
	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
AWHSB14B	98097	100.00	98097	100.00
1	1	0.00	98098	100.00
<hr/>				
	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
EWHSB14C	98096	100.00	98096	100.00
-1	2	0.00	98098	100.00
<hr/>				
	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
AWHSB14C	98098	100.00	98098	100.00
<hr/>				
	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
EWHSB14D	98098	100.00	98098	100.00
-1				

AWHSB14D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98098	100.00	98098	100.00

EWHSB14E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98098	100.00	98098	100.00

AWHSB14E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98098	100.00	98098	100.00

ESB14HRA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98050	99.95	98050	99.95
1	18	0.02	98068	99.97
2	5	0.01	98073	99.97
3	6	0.01	98079	99.98
4	2	0.00	98081	99.98
5	4	0.00	98085	99.99
6	2	0.00	98087	99.99
7	2	0.00	98089	99.99
8	1	0.00	98090	99.99
10	3	0.00	98093	99.99
14	1	0.00	98094	100.00
15	3	0.00	98097	100.00
37	1	0.00	98098	100.00

ASB14HRA	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	98091	99.99	98091	99.99
1	7	0.01	98098	100.00

ESB14HRB	Frequency	Percent	Cumulative Frequency	Cumulative Percent
-1	98089	99.99	98089	99.99
1	2	0.00	98091	99.99
2	2	0.00	98093	99.99
3	1	0.00	98094	100.00
5	1	0.00	98095	100.00
14	1	0.00	98096	100.00
15	2	0.00	98098	100.00

	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
ASB14HRB	0	98095	100.00	98095
	1	3	0.00	98098
<hr/>				
ESB14HRC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
	-1	98096	100.00	98096
	5	1	0.00	98097
	15	1	0.00	98098
<hr/>				
ASB14HRC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
	0	98098	100.00	98098
<hr/>				
ESB14HRD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
	-1	98098	100.00	98098
<hr/>				
ASB14HRD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
	0	98098	100.00	98098
<hr/>				
ESB14HRE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
	-1	98098	100.00	98098
<hr/>				
ASB14HRE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
	0	98098	100.00	98098
<hr/>				
EHRSB14A	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
	-1	98066	99.97	98066
	0	13	0.01	98079
	1	8	0.01	98087
	2	1	0.00	98088
	3	2	0.00	98090
	4	1	0.00	98091
	5	3	0.00	98094
	8	1	0.00	98095
	10	2	0.00	98097
	15	1	0.00	98098

	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
AHRSB14A	98090	99.99	98090	99.99
1	6	0.01	98096	100.00
3	2	0.00	98098	100.00
<hr/>				
EHRSB14B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
-1	98097	100.00	98097	100.00
0	1	0.00	98098	100.00
<hr/>				
AHRSB14B	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
0	98097	100.00	98097	100.00
1	1	0.00	98098	100.00
<hr/>				
EHRSB14C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
-1	98098	100.00	98098	100.00
<hr/>				
AHRSB14C	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
0	98098	100.00	98098	100.00
<hr/>				
EHRSB14D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
-1	98098	100.00	98098	100.00
<hr/>				
AHRSB14D	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
0	98098	100.00	98098	100.00
<hr/>				
EHRSB14E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
-1	98098	100.00	98098	100.00
<hr/>				
AHRSB14E	Frequency	Percent	Cumulative Frequency	Cumulative Percent
<hr/>				
0	98098	100.00	98098	100.00